

SUMMERFEST PARKING MANAGEMENT SYSTEM (PHASE I)

PROJECT LIMITS: N. 4TH STREET, N. JEFFERSON STREET, ST. PAUL AVENUE, JUNEAU AVENUE
VARIOUS CITY/MILW PKG GARAGES

MILWAUKEE, WISCONSIN

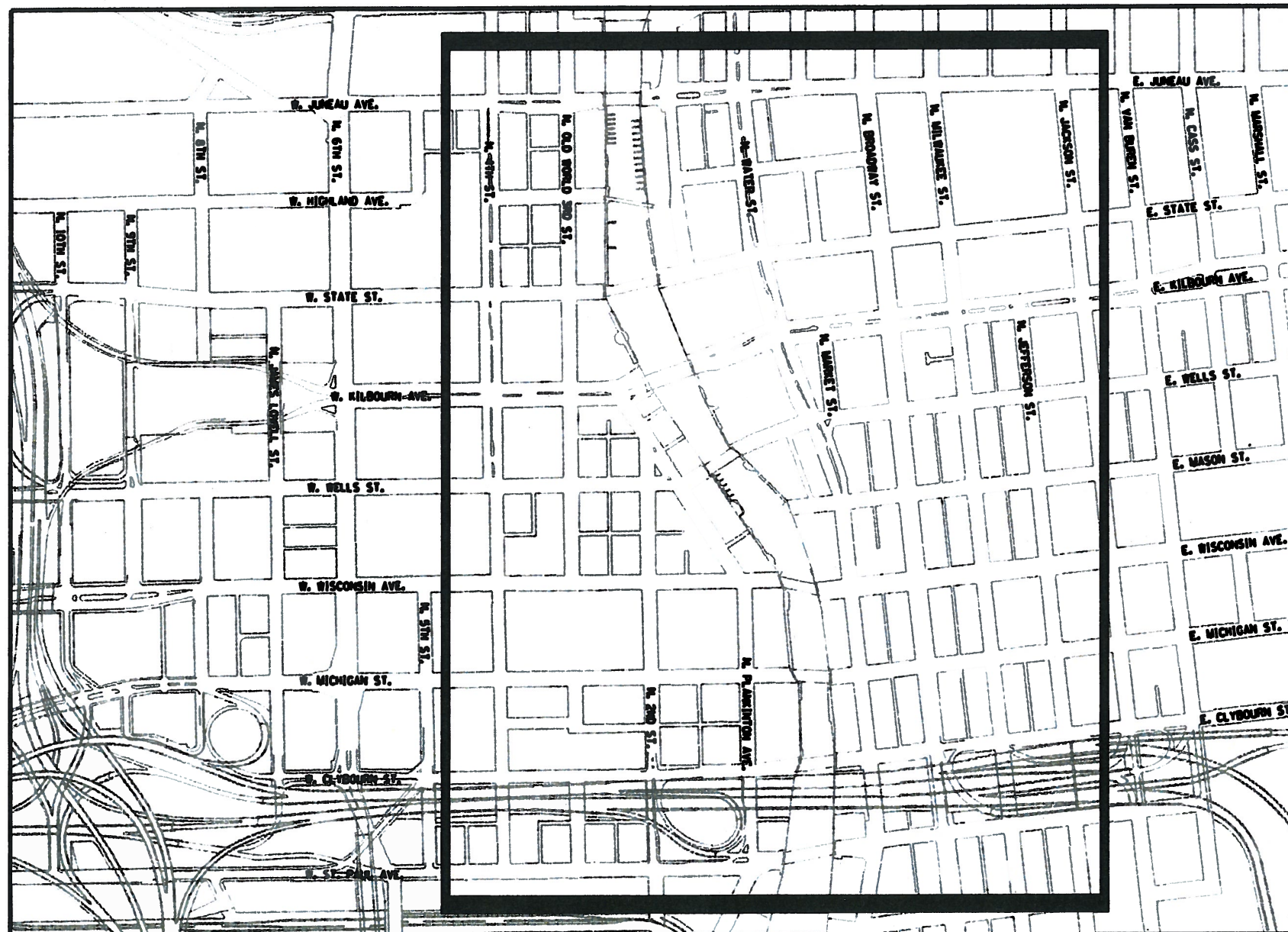
State Project I.D.: 2984-21-70

Congestion Mitigation / Air Quality Program

DBE: Discretionary



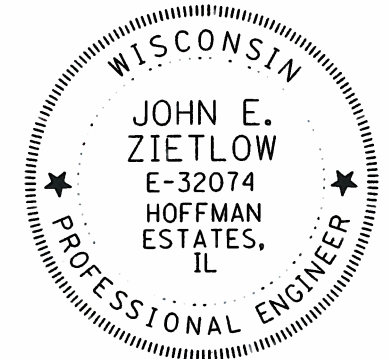
INDEX OF SHEETS
SEE SHEET 2



ORIGINAL PLANS PREPARED BY

JACOBS

525 W. MONROE ST. SUITE 200, CHICAGO, IL 60661



SIGNED *[Signature]* DATE 5/15/2012 SIGNED *[Signature]* DATE May 15, 2012
FOR DRAWINGS 1-4, 9-21, 24-38, 44-46 FOR DRAWINGS 5-8, 22-23, 39-43

APPROVED FOR CITY OF MILWAUKEE

5/17/12 *[Signature]*
Date Signature

GENERAL NOTES

1. UTILITIES - LOCATIONS/INFORMATION ON PLANS

THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES, AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED. UNLESS ELEVATIONS ARE SHOWN, ALL UTILITY LOCATIONS ARE BASED ON THE APPROXIMATE LOCATION SUPPLIED BY THE UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING CITY ELECTRICAL FACILITIES PRIOR TO PERFORMING ANY WORK AT HIS/HER OWN EXPENSE IF REQUIRED. THE CONTRACTOR SHALL ALSO BE LIABLE FOR ANY DAMAGE TO FACILITIES RESULTING FROM INACCURATE LOCATING.

THERE ARE UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL COORDINATE HIS/HER CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AT (800) 242-8511 OR 811. NOTE: NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.

THE ENGINEER SHALL ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH THE EXISTING UTILITY FACILITIES.

THE CONTRACTOR MAY OBTAIN, ON REQUEST, PLANS FOR THE EXISTING ELECTRICAL FACILITIES FROM THE CITY.

THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR LOCATING AND PROVIDING PROTECTION FOR FACILITIES DURING ALL PHASES OF CONSTRUCTION. IF AT ANY TIME, THE FACILITIES ARE DAMAGED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE CITY. THIS WORK SHALL BE INCLUDED IN THE CONTRACT BID PRICE.

2. CRITICAL PATH WORK SCHEDULE REQUIREMENT

THE CONTRACTOR WILL SUBMIT TO THE ENGINEER A SATISFACTORY PROGRESS SCHEDULE AND CRITICAL PATH SCHEDULE WHICH SHOW THE PROPOSED SEQUENCE OF WORK AT THE TIME OF THE PRE-CONSTRUCTION CONFERENCE.

3. SIGNING

SIGN LOCATIONS MAY VARY FROM THE LOCATIONS SHOWN ON THE PLANS IN ACCORDANCE WITH DIRECTIONS FROM THE ENGINEER AT THE TIME OF CONSTRUCTION. SIGN LOCATIONS MAY BE ADJUSTED IN THE FIELD TO AVOID ANY UTILITIES AS APPROVED BY THE ENGINEER.

4. THE CITY CONTACT PEOPLE FOR THIS CONTRACT ARE AS FOLLOWS:

- GENERAL QUESTIONS OR PLANS: CHRIS FORMAL, INFRASTRUCTURE SERVICES DIVISION, 414-286-2452
 - UTILITY COORDINATION: TONY KOTECKI, 414-286-2433
 - CONSTRUCTION INSPECTION: ROGER REED, 414-286-3896; LYNN DES JARDINS, 414-286-0447; BILL FRASCH, 414-286-8673
 - TRAFFIC SIGNALS: JERRY WILSON, 414-286-5941
 - HOLLOW SIDEWALKS: JOHN SCHMIDT, 414-286-0467
- THE CONTRACTOR MUST COORDINATE AND COOPERATE WITH THE CITY AND THE INVOLVED PARTIES AS DIRECTED BY THE CITY.

5. THE ENGINEERING DESIGN IN THESE PLANS IS BASED UPON FIELD INVESTIGATIONS OF CURRENT CONDITIONS AND REVIEW OF EXISTING AS-BUILT DOCUMENTATION. DUE TO THE CHANGING NATURE OF THESE ITEMS, THE ACTUAL CONDITIONS MAY BE DIFFERENT THAN THOSE DEPICTED. THE CONTRACTOR SHALL VERIFY THE EXISTING FIELD CONDITIONS PRIOR TO ANY CONSTRUCTION ACTIVITIES AND CORRELATE THESE CONDITIONS WITH THE PROPOSED CONSTRUCTION ACTIVITIES OF THIS AND OTHER CONTRACTS. THE CONTRACTOR SHALL IDENTIFY TO THE ENGINEER ANY SIGNIFICANT DIFFERENCES BETWEEN THESE PLANS AND THE EXISTING FIELD CONDITIONS OR PROPOSED CONSTRUCTION THAT COULD IMPACT HIS EFFORTS PRIOR TO BEGINNING WORK. CORRECTIVE ACTIONS FOR PROBLEMS ENCOUNTERED AFTER THE CONTRACTOR HAS BEGUN WORK WILL BE INCLUDED IN THE TASK UNLESS PREVIOUSLY IDENTIFIED TO THE ENGINEER.

6. ALL ELECTRICAL WORK SHALL CONFORM TO THE NATIONAL ELECTRIC CODE (NEC).

7. THE CONTRACTOR SHALL BE AWARE THAT TEST SOIL BORINGS WERE NOT MADE AT ALL LOCATIONS WHERE ELEMENTS OR RELATED EQUIPMENT ARE TO BE INSTALLED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING THE SITE CONDITIONS AT THESE FIELD LOCATIONS BEFORE SUBMITTING BID PROPOSALS.

8. WHENEVER CONDUITS (INCLUDING SPARES) ARE INSTALLED FOR ELECTRICAL POWER CABLE, A POLYETHYLENE PULL ROPE WITH DETECTABLE METALLIC CONDUCTOR SHALL BE INSTALLED WITH THE CONDUIT. ALL PULL-ROPE RELATED COSTS ARE TO BE INCLUDED IN THE BID PRICE FOR CONDUIT.

9. THE QUANTITIES OF RACEWAYS WHERE INDICATED IN THESE PLANS ARE APPROXIMATIONS ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL LENGTHS AND SHALL INSTALL RACEWAYS IN COMPLETE COMPLIANCE WITH THE SPECIFIED REQUIREMENTS.

10. EXACT FIELD LOCATIONS OF EQUIPMENT SHALL BE AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL TAKE CARE NOT TO INSTALL EQUIPMENT IN DRAINAGE AREAS.

11. ANY GROUND AREAS DISTURBED DURING THE INSTALLATION OF FIELD DEVICES SHALL BE RE-GRADED AND SEEDED OR HARD-SURFACED AS DIRECTED AND TO THE SATISFACTION OF THE ENGINEER. COST FOR THIS WORK IS TO BE INCLUDED IN THE COST OF EQUIPMENT ITEMS.

12. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS, CONSTRUCTION METHODOLOGIES, PRODUCT MANUFACTURER SPECIFICATIONS, OWNERS MANUALS, AND USERS MANUALS BEFORE PROCURING AND INSTALLING ANY EQUIPMENT AS PART OF THIS CONTRACT. ALL PROPOSED WORK SHALL BE REVIEWED AND APPROVED BY THE CITY IN CONSULTATION WITH THE DESIGN ENGINEER.

13. NO WORK SHALL BE CONDUCTED BY THE CONTRACTOR ON ANY EXISTING TRAFFIC SIGNAL, STREET LIGHTING, AND COMMUNICATIONS CONDUIT, POLES, OR CONTROLLER CABINETS UNDER JURISDICTION OF THE CITY OF MILWAUKEE WITHOUT FIRST NOTIFYING THE CITY 72 HOURS BEFORE COMMENCING WORK. ALL STREET LIGHTING/COMMUNICATIONS COORDINATION -RELATED WORK SHALL BE COORDINATED BY THE CONTRACTOR WITH THE CITY. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO ENSURE THAT POWER AND COMMUNICATION CABLES WITHIN EXISTING TRAFFIC SIGNAL, STREET LIGHTING, AND COMMUNICATIONS CONDUITS, POLES, AND CONTROLLER CABINETS ARE NOT DAMAGED AS A RESULT OF DRILLING OR INSTALLING THE EQUIPMENT SUBSYSTEMS. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH ALL REQUIREMENTS OF THE AFFECTED AGENCY.

14. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE CITY TO BE CONDUCTED AT THE MUNICIPAL BUILDING (841 NORTH BROADWAY, MILWAUKEE). THE CONTRACTOR SHALL ALSO COORDINATE ALL PROPOSED WORK AND SCHEDULE WITH THE PARKING FACILITIES OWNERS AND OPERATORS LISTED BELOW. THE CONTRACTOR SHALL CONTACT THE CITY AND/OR PARKING FACILITIES (AS NECESSARY) 72 HOURS BEFORE COMMENCING ANY WORK AT THESE LOCATIONS.

PARTICIPATING PARKING FACILITY OWNER AND OPERATORS:

CHASE
THOMAS CEPARSKI
SENIOR PROPERTY MANAGER
CPS PARKING
111 E. WISCONSIN AVENUE
SUITE 1230
MILWAUKEE, WI 53202
414-765-2186

411 E. WISCONSIN
BILL HALPER
PROPERTY MANAGER
411 EAST WISCONSIN AVENUE
SUITE 500
MILWAUKEE, WI 53202
414-347-0411

GRAND AVENUE
JIM VAILLANCOURT
GENERAL MANAGER
JONES, LANGE, LASALLE
275 WEST WISCONSIN AVENUE
LOWER ROTUNDA, SUITE 5
MILWAUKEE, WI 53203
414-224-0384

100 E. WISCONSIN & 720 N. WATER
MALETA BROWN
PROPERTY MANAGER
REIT MANAGEMENT AND RESEARCH LLC
SUITE 1000
100 EAST WISCONSIN AVENUE
MILWAUKEE, WI 53202
414-289-9030

15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING TO THE CITY AT THE COMPLETION OF THE PROJECT A SET OF AS-BUILT CONSTRUCTION PLANS.

16. WISDOT SHALL ENSURE A QUALIFIED ARCHAEOLOGIST (PER 48 FR 44738) IS PRESENT TO MONITOR ALL PROJECT RELATED GROUND DISTURBING ACTIVITIES WITHIN THE BOUNDARIES OF THE ARCHAEOLOGICAL SITE(S). THE CONTRACT SHALL CONTACT THE ARCHAEOLOGICAL PROGRAM COORDINATOR AT WISDOT, BUREAU OF EQUITY AND ENVIRONMENTAL SERVICES (BEES) TO ARRANGE FOR AN ARCHEOLOGIST TO MONITOR. BEES SHALL BE CONTACTED TWO WEEK IN ADVANCE OF THE BEGINNING OF WORK NOTICE. THE CONTACT AT BEES IS: LYNN CLOUD (608-266-0099) OR JIM BECKER (608-261-0137). THE COST OF THE ARCHEOLOGICAL PROGRAM COORDINATOR WILL BE PAID FOR BY WISDOT. COORDINATION REQUIRED BY THE CONTRACTOR WILL BE INCIDENTAL TO MOBILIZATION.

17. POINT OF CONTACT:
MR. CHRIS FORMAL
CITY OF MILWAUKEE, DEPARTMENT OF PUBLIC WORKS
INFRASTRUCTURE SERVICES, PLANNING AND DEVELOPMENTS
841 NORTH BROADWAY
ROOM 919
MILWAUKEE, WISCONSIN, 53202
1-(414)-286-2452

INDEX OF SHEETS

SHEET	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS & GENERAL NOTES
3	SUMMARY OF QUANTITIES
4	SYSTEM MAP
5	FACILITY SITE PLAN, GRAND AVENUE FACILITY
6	FACILITY SITE PLAN, CHASE FACILITY
7	FACILITY SITE PLAN, 100 E. WISCONSIN
8	FACILITY SITE PLAN, 411 E. WISCONSIN
9	FACILITY SIGN (F14, F15) SITE PLAN
10	GUIDE SIGN (W3) SITE PLAN
11	GUIDE SIGN (K5) SITE PLAN
12	GUIDE SIGN (K4) SITE PLAN
13	GUIDE SIGN (WS4, F1) SITE PLAN
14	GUIDE SIGN (WS5) SITE PLAN
15	FACILITY SIGN (F7, F8, F9, F10) SITE PLAN
16	GUIDE SIGN (M6, M11, F2, F3, F4) SITE PLAN
17	GUIDE SIGN (M8, W2, W4, F5, F6) SITE PLAN
18	GUIDE SIGN (M9, MK2, F11, F12, F13) SITE PLAN
19	GUIDE SIGN (M7) SITE PLAN
20	GUIDE SIGN (M10, W1) SITE PLAN
21	GUIDE SIGN (MK1) SITE PLAN
22	COMMUNICATION SCHEMATIC
23	SYSTEM MODEL
24	STATIC GUIDE SIGN DETAIL
25	DYNAMIC GUIDE SIGN DETAIL
26	GUIDE SIGN BASE DETAIL
27	GUIDE SIGN FOUNDATION DETAIL
28	DYNAMIC GUIDE SIGN M11 FOUNDATION DETAIL
29	GUIDE SIGN TYPICAL SECTIONS
30	GUIDE SIGN LAYOUT (1 OF 9)
31	GUIDE SIGN LAYOUT (2 OF 9)
32	GUIDE SIGN LAYOUT (3 OF 9)
33	GUIDE SIGN LAYOUT (4 OF 9)
34	GUIDE SIGN LAYOUT (5 OF 9)
35	GUIDE SIGN LAYOUT (6 OF 9)
36	GUIDE SIGN LAYOUT (7 OF 9)
37	GUIDE SIGN LAYOUT (8 OF 9)
38	GUIDE SIGN LAYOUT (9 OF 9)
39	EXISTING TRAFFIC SIGNAL CABINET POWER DETAIL
40	DYNAMIC GUIDE SIGN WIRING DIAGRAM
41	TYPICAL DYNAMIC GUIDE SIGN SCHEMATIC
42	COMMUNICATIONS EQUIPMENT ENCLOSURE LAYOUT
43	COMMUNICATIONS EQUIPMENT ENCLOSURE
44	TYPICAL CONDUIT AND CABLE INSTALLATION DETAILS
45	UNDERGROUND CONDUIT DETAIL
46	FIBERGLASS VAULT DETAIL





SUMMARY OF QUANTITIES

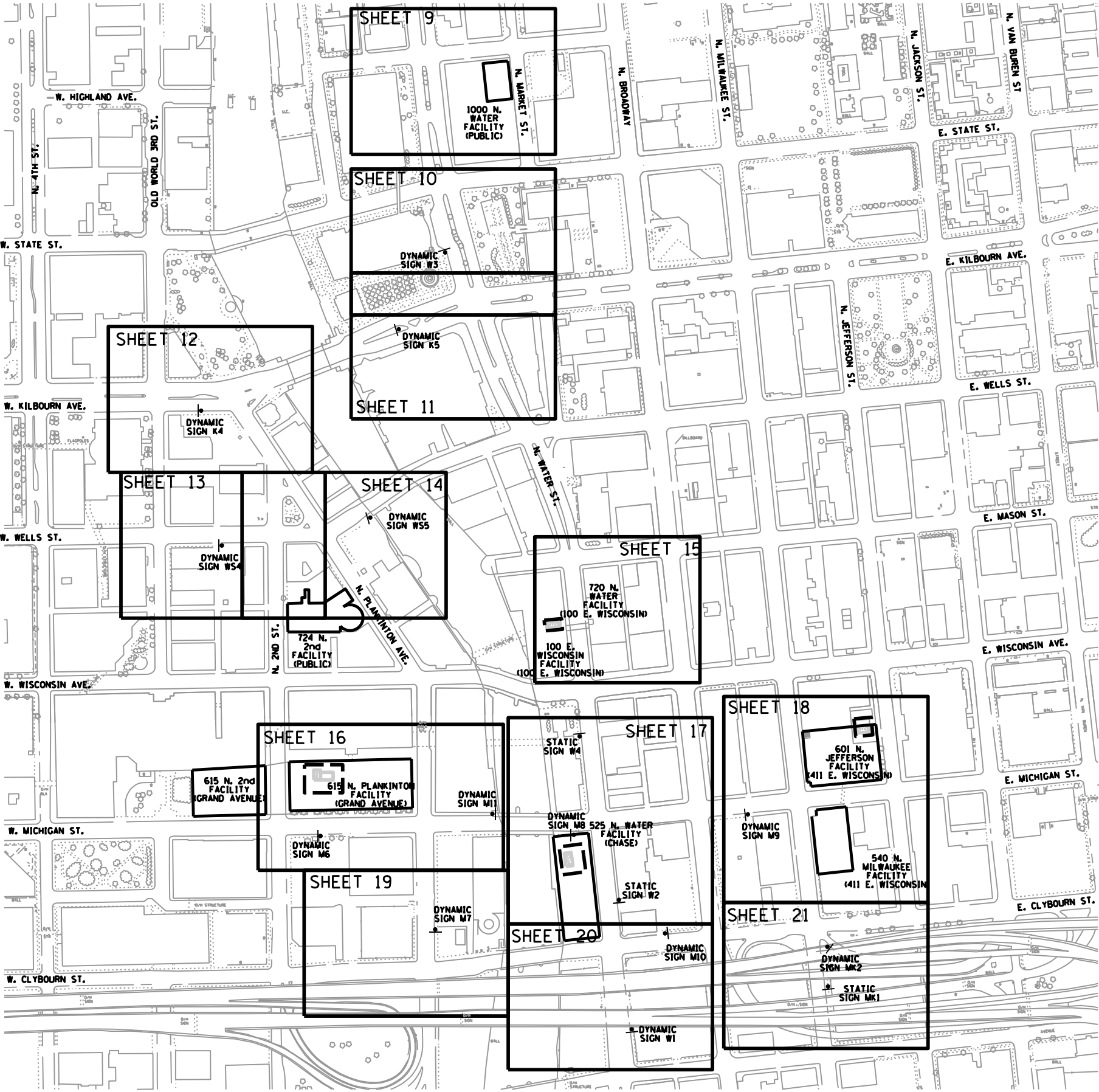
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SPV.0060.001	STATIC GUIDE SIGN, 4-PANEL	EACH	3
SPV.0060.004	DYNAMIC GUIDE SIGN, 3-DISPLAY	EACH	13
SPV.0060.005	SIGN PANEL, 24" X 30"	EACH	19
SPV.0060.006	ELECTRICAL VAULT, 13" x 24" x 18"	EACH	14
SPV.0060.007	TANDEM CIRCUIT BREAKER, 120V, 15/20 AMP, FURNISH ONLY	EACH	13
SPV.0060.008	COMMUNICATION EQUIPMENT, DYNAMIC GUIDE SIGN	EACH	13
SPV.0060.009	COMMUNICATION EQUIPMENT, PARKING FACILITY	EACH	4
619.1000	MOBILIZATION	EACH	1
SPV.0060.010	COMMUNICATION EQUIPMENT ENCLOSURE, INDOOR	EACH	4
SPV.0060.011	REMOVE AND REPLACE FORM	EACH	13
SPV.0090.001	ELECTRIC CABLE IN CONDUIT, 2/C NO. 10, 1/C NO. 10 GND	FOOT	4,456
602.0410	CONCRETE SIDEWALK 5-INCH	SQ FT	1,440
204.0155	REMOVING CONCRETE SIDEWALK	SQ YD	160
652.0605	PVC SCHEDULE 80 CONDUIT AUGERED, 2-INCH	FOOT	3,905
SPV.0060.012	CONCRETE FOUNDATION, STATIC GUIDE SIGN	EACH	3
SPV.0060.013	CONCRETE FOUNDATION, DYNAMIC GUIDE SIGN	EACH	13
643.0100	TRAFFIC CONTROL	EACH	1
SPV.0060.014	SCANNET XML SCRIPT LICENSE	EACH	4

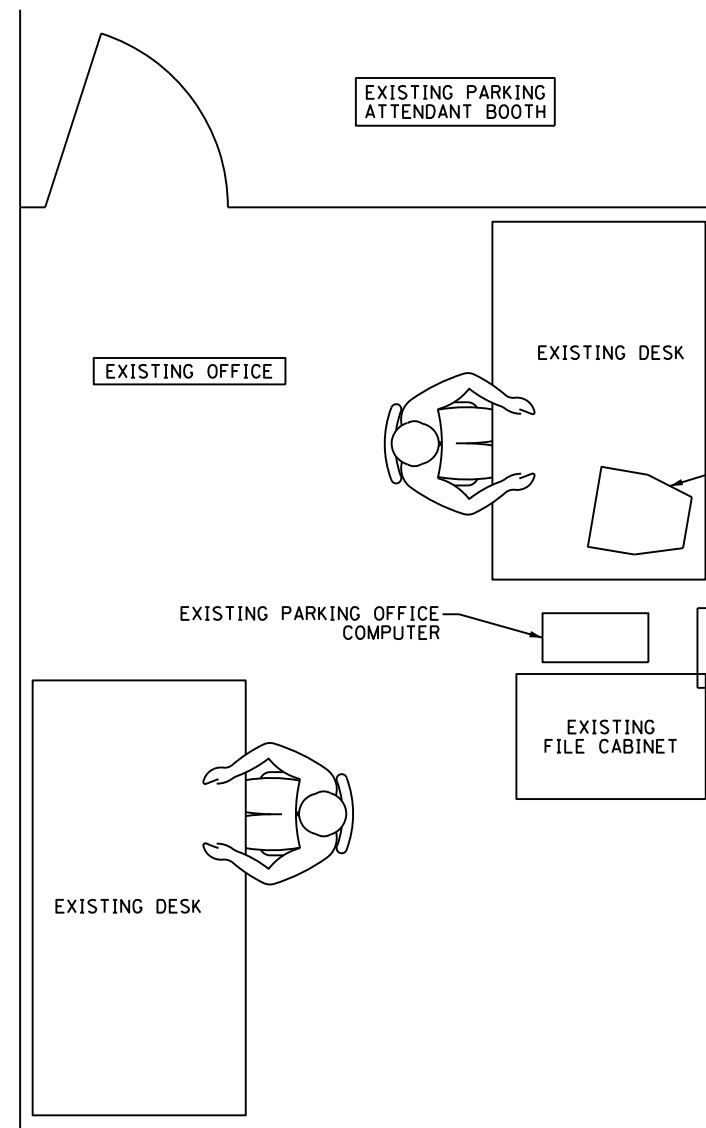
PARKING FACILITY DATA ACCESS POINT	PARKING FACILITY ENTRY POINT ADDRESS
GRAND AVENUE FACILITY	615 N. 2nd STREET
CHASE FACILITY	525 N. WATER STREET
100 E. WISCONSIN FACILITY	100 E. WISCONSIN AVENUE
	720 N. WATER STREET
411 E. WISCONSIN FACILITY	601 N. JEFFERSON STREET
	540 N. MILWAUKEE STREET
PUBLIC FACILITY•	724 N. 2nd STREET
PUBLIC FACILITY•	1000 E. WATER STREET

• PUBLIC PARKING FACILITIES COMMUNICATE OVER EXISTING CITY NETWORK (SEE SHEET 22)

LEGEND

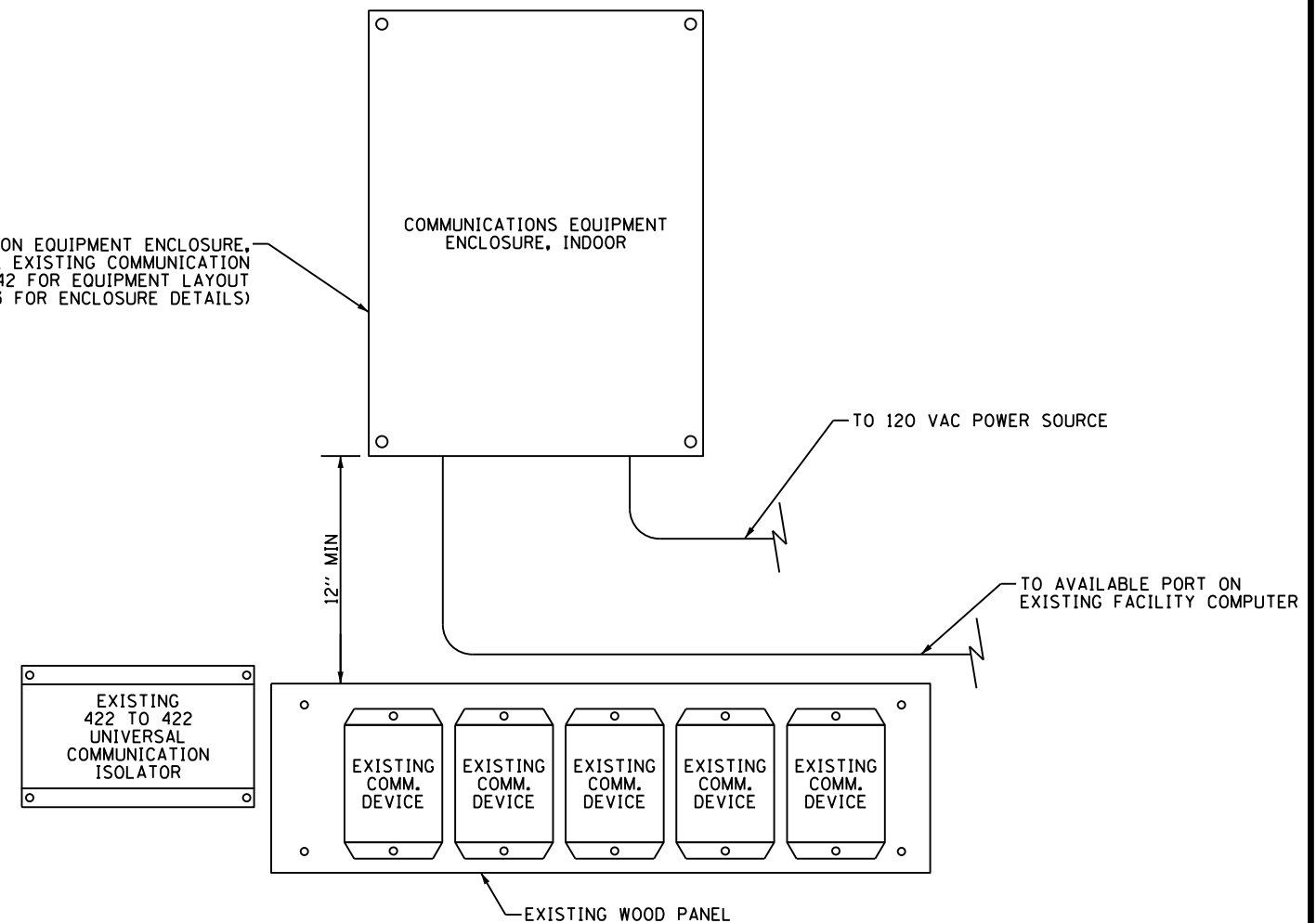
-  GUIDE SIGN (STATIC OR DYNAMIC)
-  GUIDE SIGN SITE PLAN SHEET BOUNDARY
-  FACILITY SITE PLAN SHEET BOUNDARY
-  PARKING FACILITY DATA ACCESS POINT





FLOOR PLAN
NOT TO SCALE

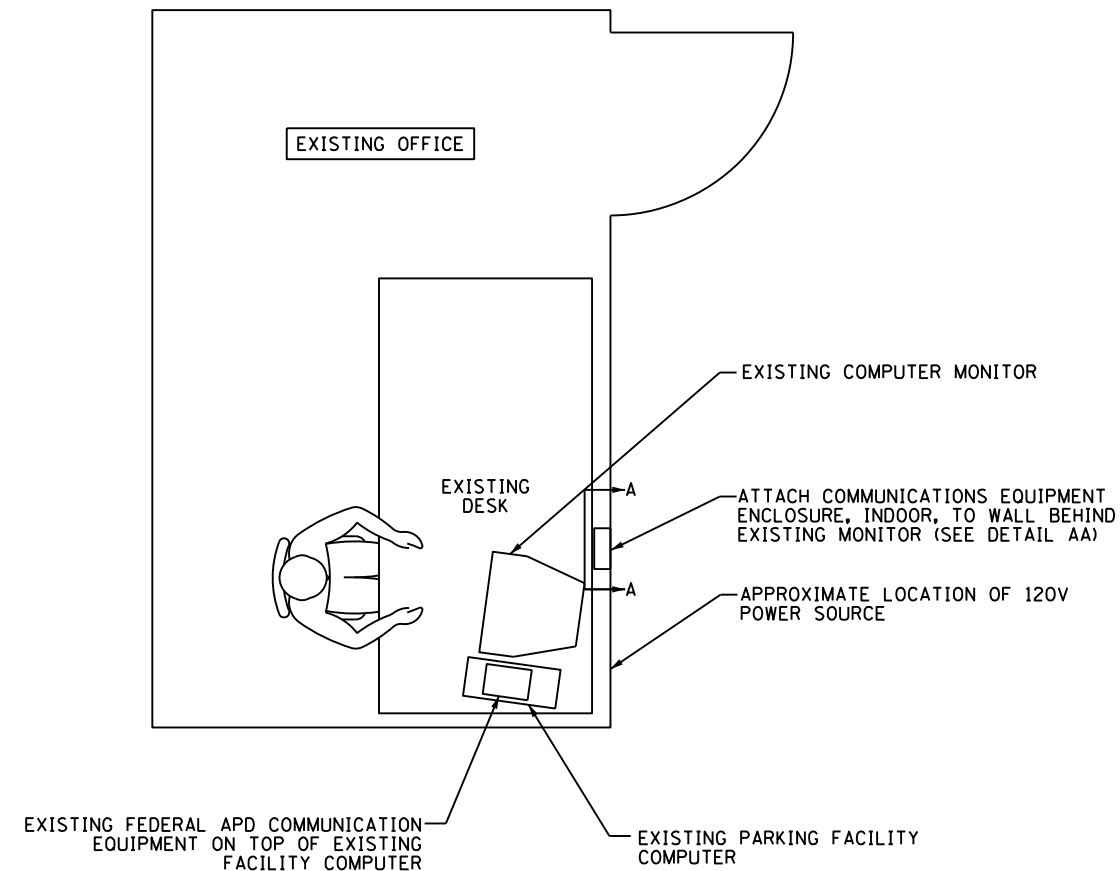
MOUNT COMMUNICATION EQUIPMENT ENCLOSURE, INDOOR ON WALL ABOVE EXISTING COMMUNICATION EQUIPMENT (SEE SHEET 42 FOR EQUIPMENT LAYOUT DETAILS, SEE SHEET 43 FOR ENCLOSURE DETAILS)



DETAIL AA - EQUIP. MOUNTING LAYOUT
NOT TO SCALE

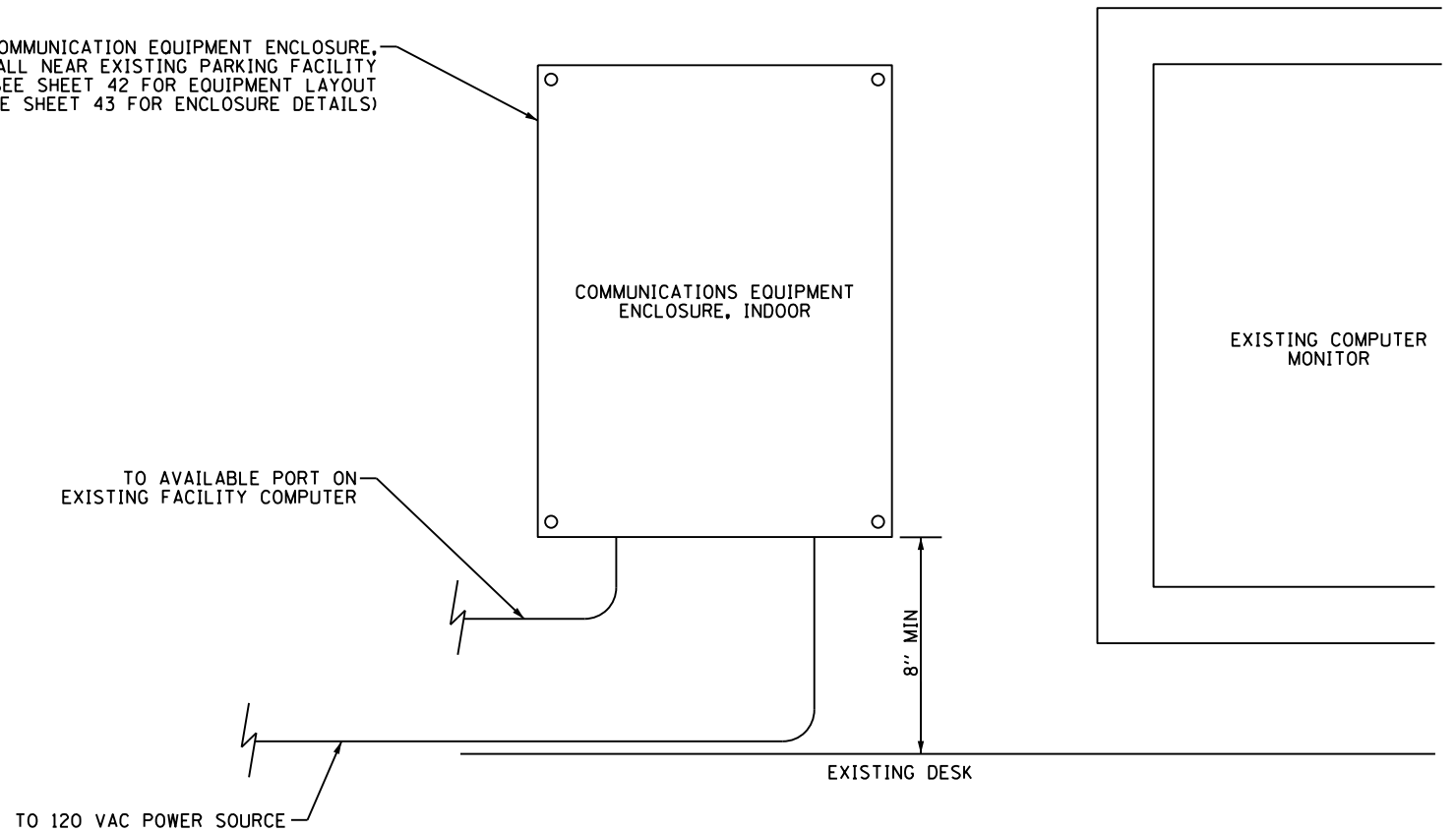
- NOTES:**
 1) CONTRACTOR SHALL COORDINATE WITH BUILDING ENGINEER/ OWNER PRIOR TO PERFORMING ANY WORK.
 2) CONTRACTOR SHALL ADAPT THE INSTALLATION TO CURRENT CONDITIONS AND CONFIGURATIONS

PAY ITEM	UNIT	QUANTITY
COMMUNICATION EQUIPMENT ENCLOSURE, INDOOR	EACH	1
COMMUNICATION EQUIPMENT, PARKING FACILITY	EACH	1
SCANNET XML SCRIPT LICENSE	EACH	1



FLOOR PLAN
NOT TO SCALE

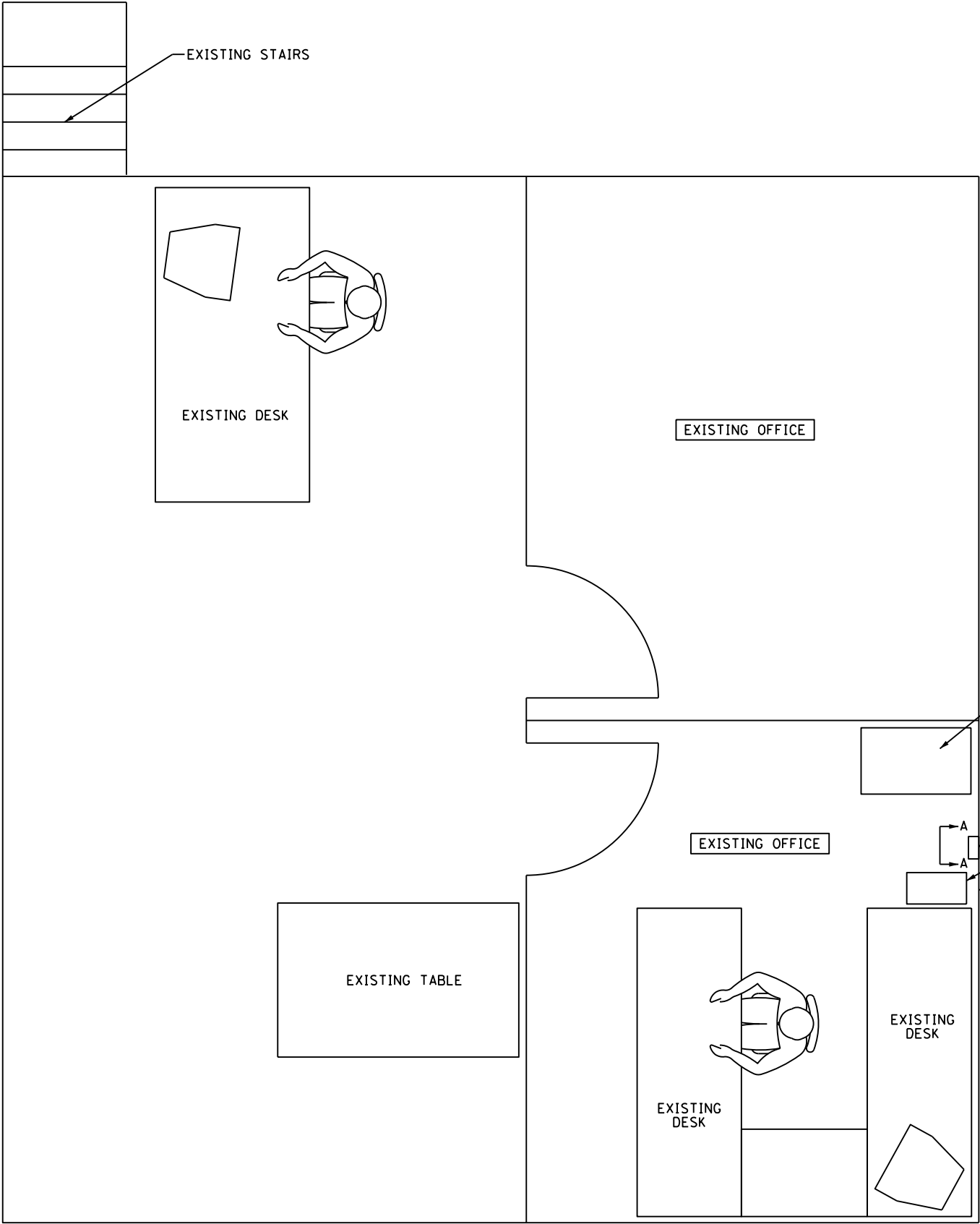
MOUNT COMMUNICATION EQUIPMENT ENCLOSURE, INDOOR ON WALL NEAR EXISTING PARKING FACILITY COMPUTER (SEE SHEET 42 FOR EQUIPMENT LAYOUT DETAILS, SEE SHEET 43 FOR ENCLOSURE DETAILS)



DETAIL AA - EQUIP. MOUNTING LAYOUT
NOT TO SCALE

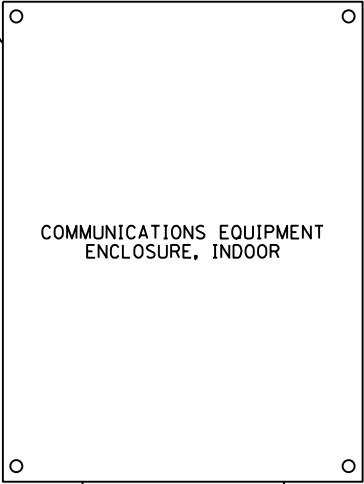
NOTES:
1) CONTRACTOR SHALL COORDINATE WITH BUILDING ENGINEER/ OWNER PRIOR TO PERFORMING ANY WORK.
2) CONTRACTOR SHALL ADAPT THE INSTALLATION TO CURRENT CONDITIONS AND CONFIGURATIONS

PAY ITEM	UNIT	QUANTITY
COMMUNICATION EQUIPMENT ENCLOSURE, INDOOR	EACH	1
COMMUNICATION EQUIPMENT, PARKING FACILITY	EACH	1
SCANNET XML SCRIPT LICENSE	EACH	1



SITE PLAN
NOT TO SCALE

MOUNT COMMUNICATION EQUIPMENT ENCLOSURE, INDOOR ON WALL NEAR EXISTING PARKING FACILITY COMPUTER (SEE SHEET 42 FOR EQUIPMENT LAYOUT DETAILS, SEE SHEET 43 FOR ENCLOSURE DETAILS)



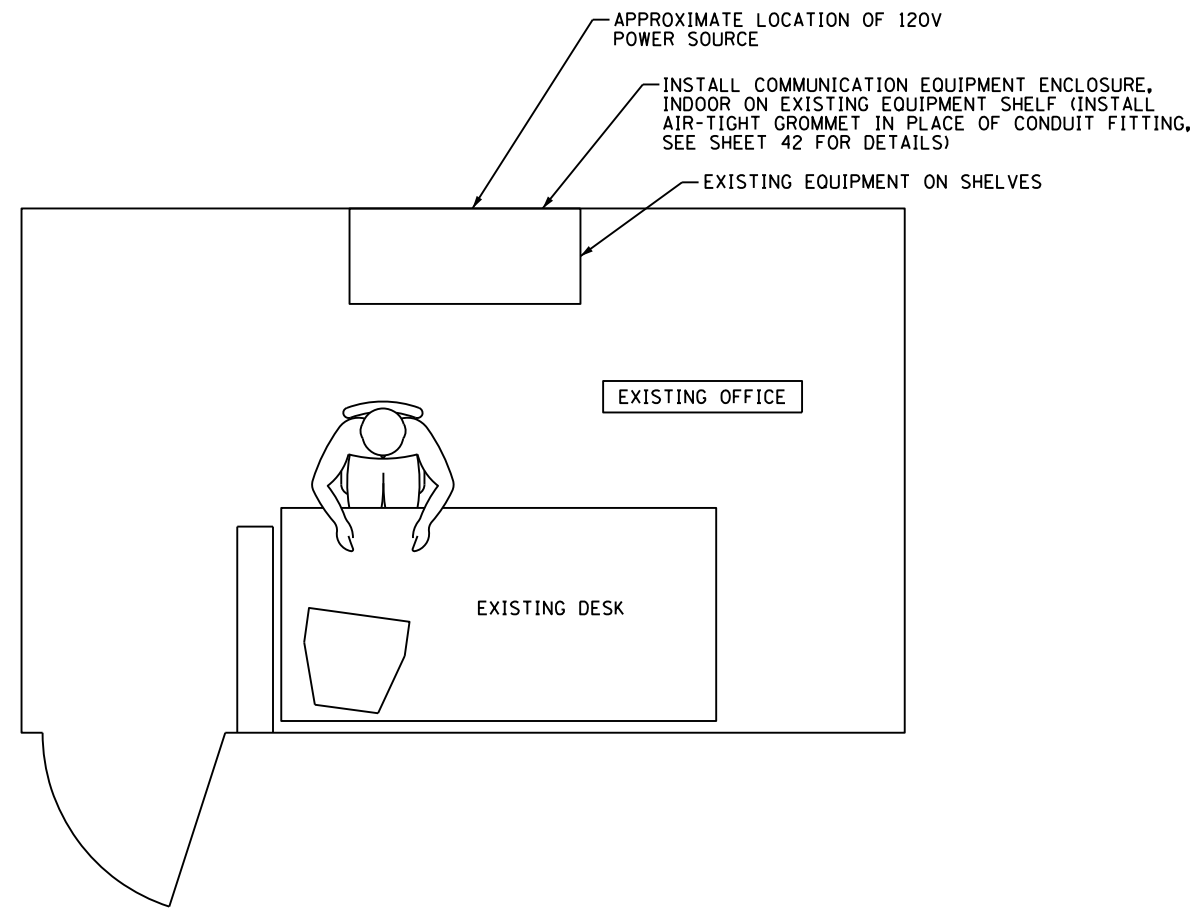
TO 120 VAC POWER SOURCE

TO AVAILABLE PORT ON EXISTING FACILITY COMPUTER

DETAIL AA - EQUIP. MOUNTING LAYOUT
NOT TO SCALE

- NOTES:
- 1)CONTRACTOR SHALL COORDINATE WITH BUILDING ENGINEER/ OWNER PRIOR TO PERFORMING ANY WORK.
 - 2)CONTRACTOR SHALL ADAPT THE INSTALLATION TO CURRENT CONDITIONS AND CONFIGURATIONS

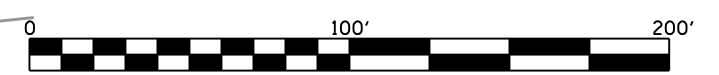
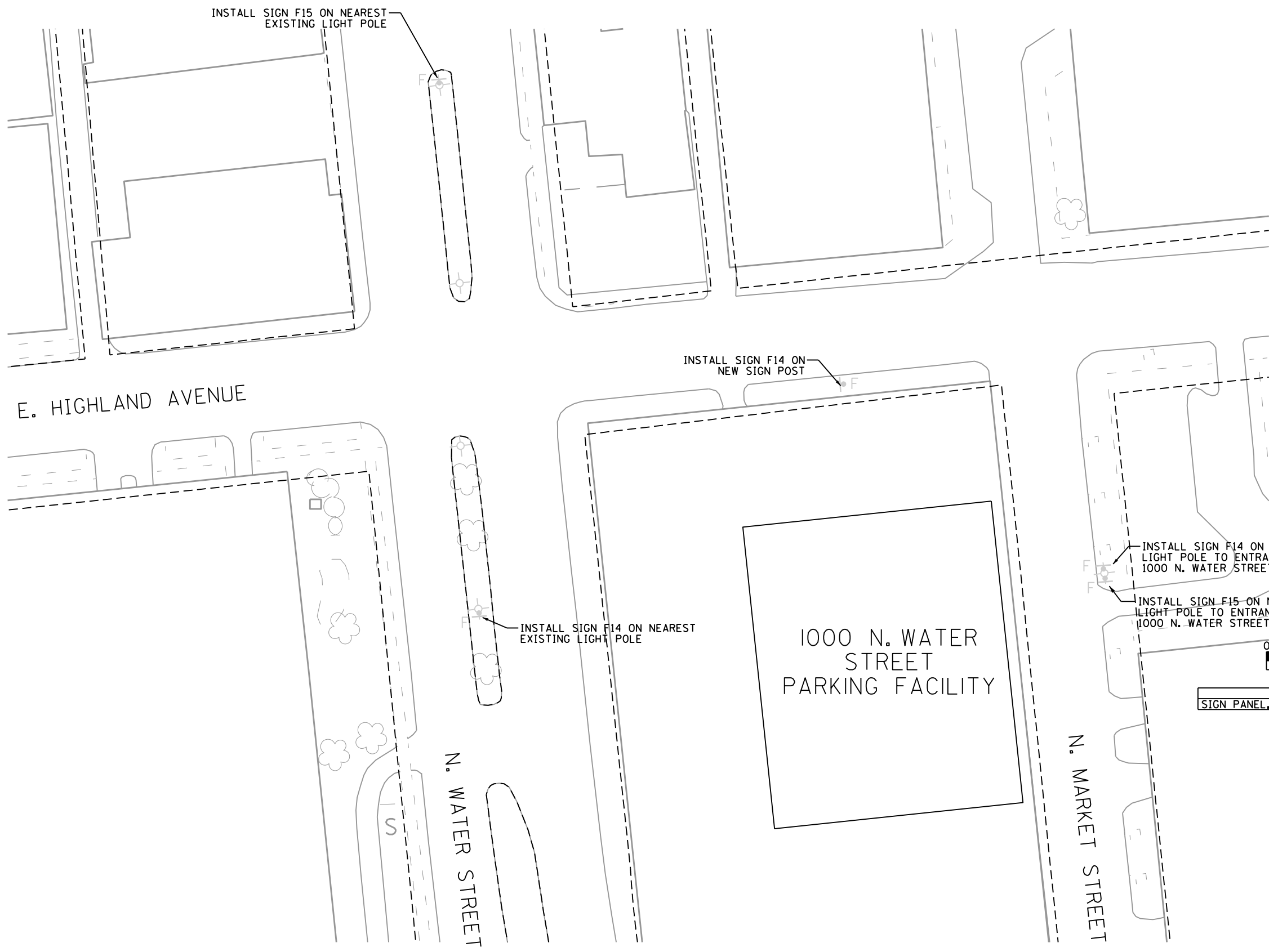
PAY ITEM	UNIT	QUANTITY
COMMUNICATION EQUIPMENT ENCLOSURE, INDOOR	EACH	1
COMMUNICATION EQUIPMENT, PARKING FACILITY	EACH	1
SCANNET XML SCRIPT LICENSE	EACH	1



FLOOR PLAN
NOT TO SCALE

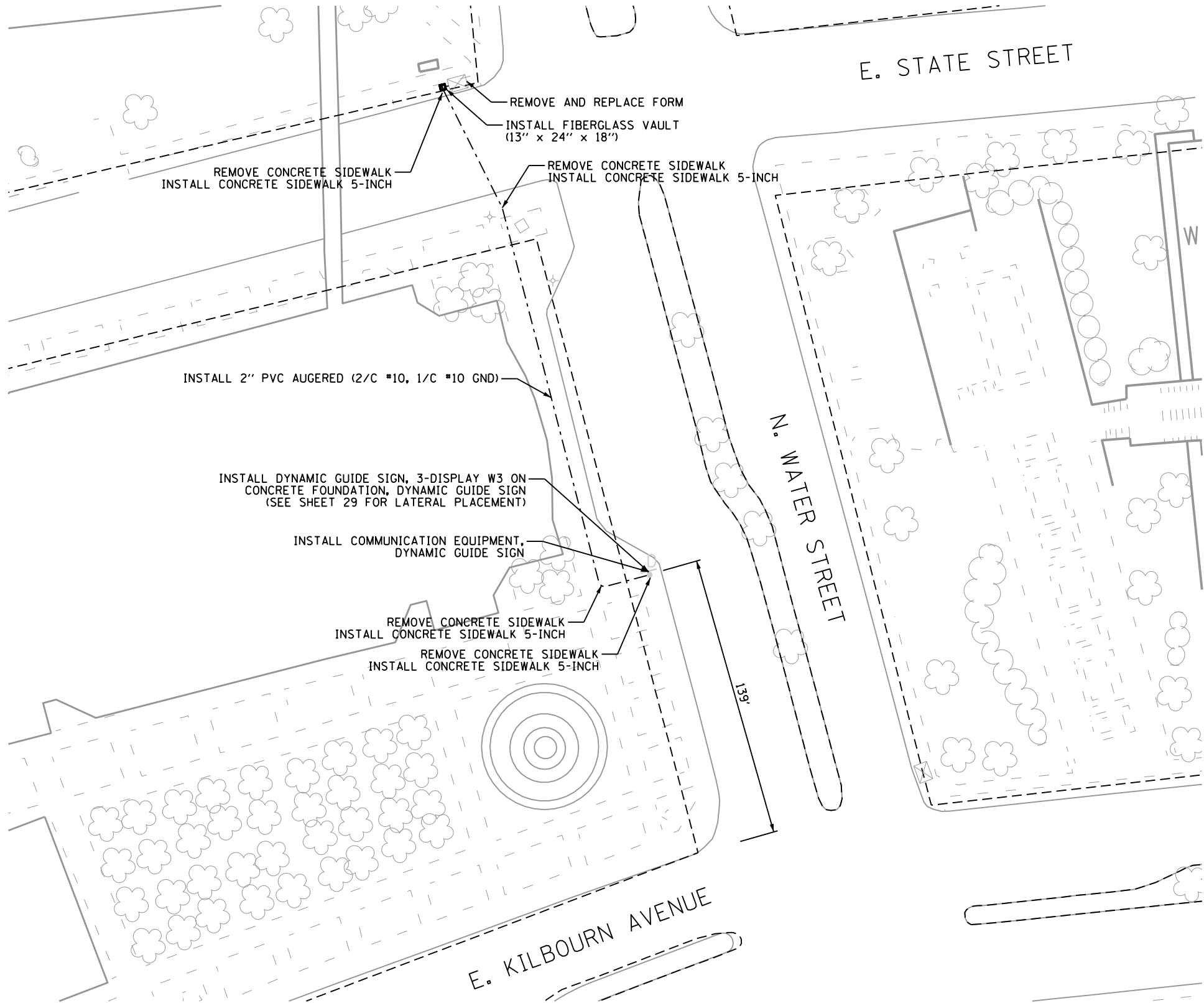
NOTES:
1)CONTRACTOR SHALL COORDINATE WITH BUILDING ENGINEER/
OWNER PRIOR TO PERFORMING ANY WORK.
2)CONTRACTOR SHALL ADAPT THE INSTALLATION TO
CURRENT CONDITIONS AND CONFIGURATIONS

PAY ITEM	UNIT	QUANTITY
COMMUNICATION EQUIPMENT ENCLOSURE, INDOOR	EACH	1
COMMUNICATION EQUIPMENT, PARKING FACILITY	EACH	1
SCANNET XML SCRIPT LICENSE	EACH	1



PAY ITEM		UNIT	QUANTITY
SIGN PANEL, 24" x 30"		EACH	5

<u>LEGEND</u>		
<u>EXISTING</u>	<u>PROPOSED</u>	
	 S	STATIC GUIDE SIGN
	 D	DYNAMIC GUIDE SIGN
	 F	PARKING FACILITY SIGN
		ELECTRICAL VAULT
		CONDUIT, SIZE AND TYPE AS SPECIFIED
		TRAFFIC SIGNAL CABINET
		STREET LIGHT POLE
		HOLLOW WALK
		R.O.W.



PAY ITEM	UNIT	QUANTITY
DYNAMIC GUIDE SIGN, 3-DISPLAY	EACH	1
COMMUNICATION EQUIPMENT, DYNAMIC SIGN	EACH	1
CONCRETE FOUNDATION, DYNAMIC GUIDE SIGN	EACH	1
TANDEM CIRCUIT BREAKER, 120 V, 15/20 AMP, FURNISH ONLY	EACH	1
PVC SCHEDULE 80 CONDUIT AUGERED, 2-INCH	FOOT	295
ELECTRIC CABLE IN CONDUIT, 2/C NO. 10, 1/C NO. 10 GND	FOOT	337
CONCRETE SIDEWALK 5-INCH	SQ FT	144
REMOVING CONCRETE SIDEWALK	SQ YD	16
REMOVE AND REPLACE FORM	EACH	1
FIBERGLASS VAULT (13" x 24" x 18")	EACH	1

LEGEND

EXISTING

PROPOSED

S

D

F

STATIC GUIDE SIGN

DYNAMIC GUIDE SIGN

PARKING FACILITY SIGN

ELECTRICAL VAULT

CONDUIT, SIZE AND TYPE AS SPECIFIED

TRAFFIC SIGNAL CABINET

STREET LIGHT POLE

HOLLOW WALK

R.O.W.

PROJECT NO: 2984-21-70

CITY OF MILWAUKEE DPW - INFRASTRUCTURE SERVICES DIVISION

SHEET NAME: GUIDE SIGN (W3) SITE PLAN

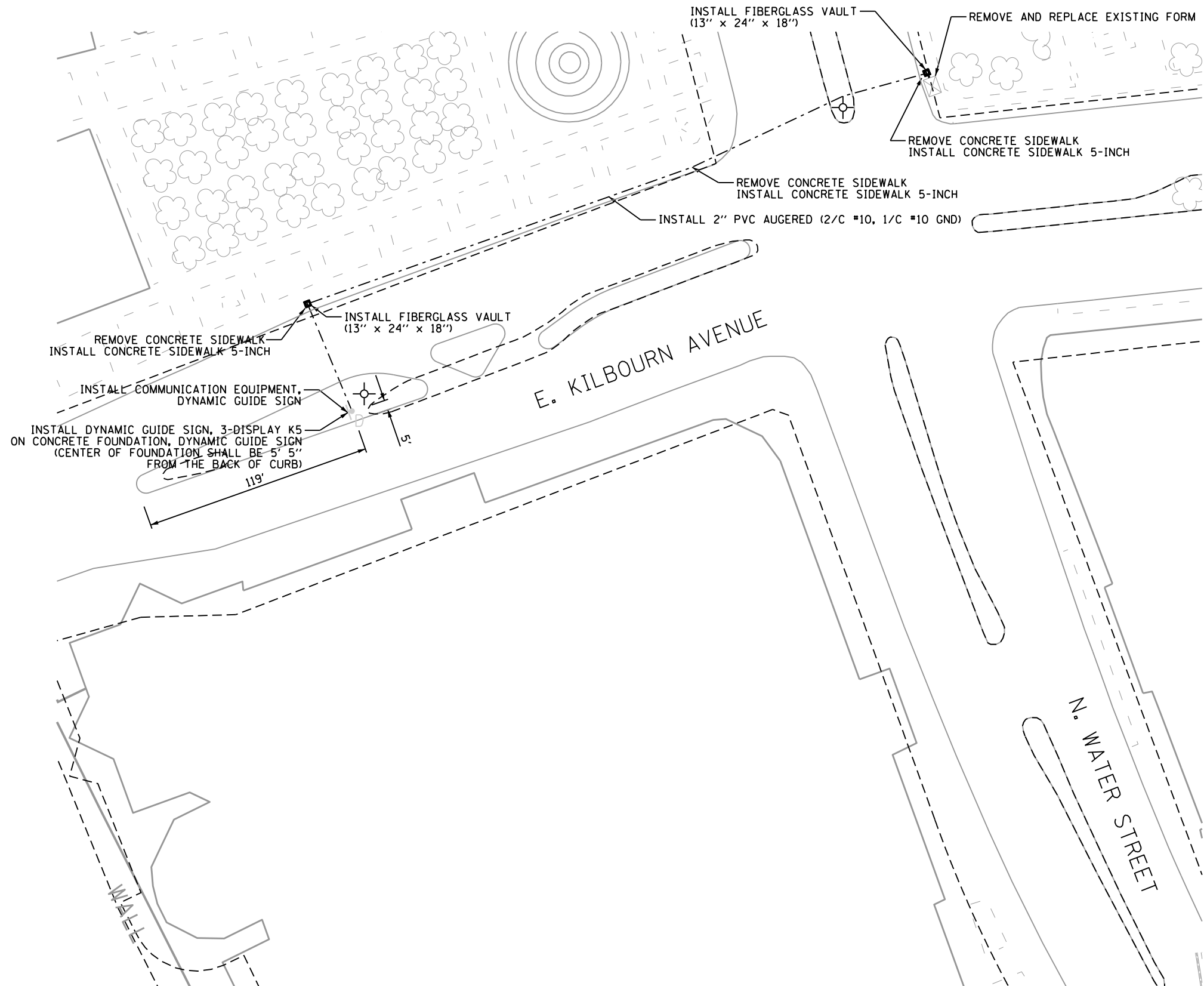
SHEET 10 OF 46

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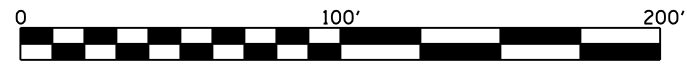
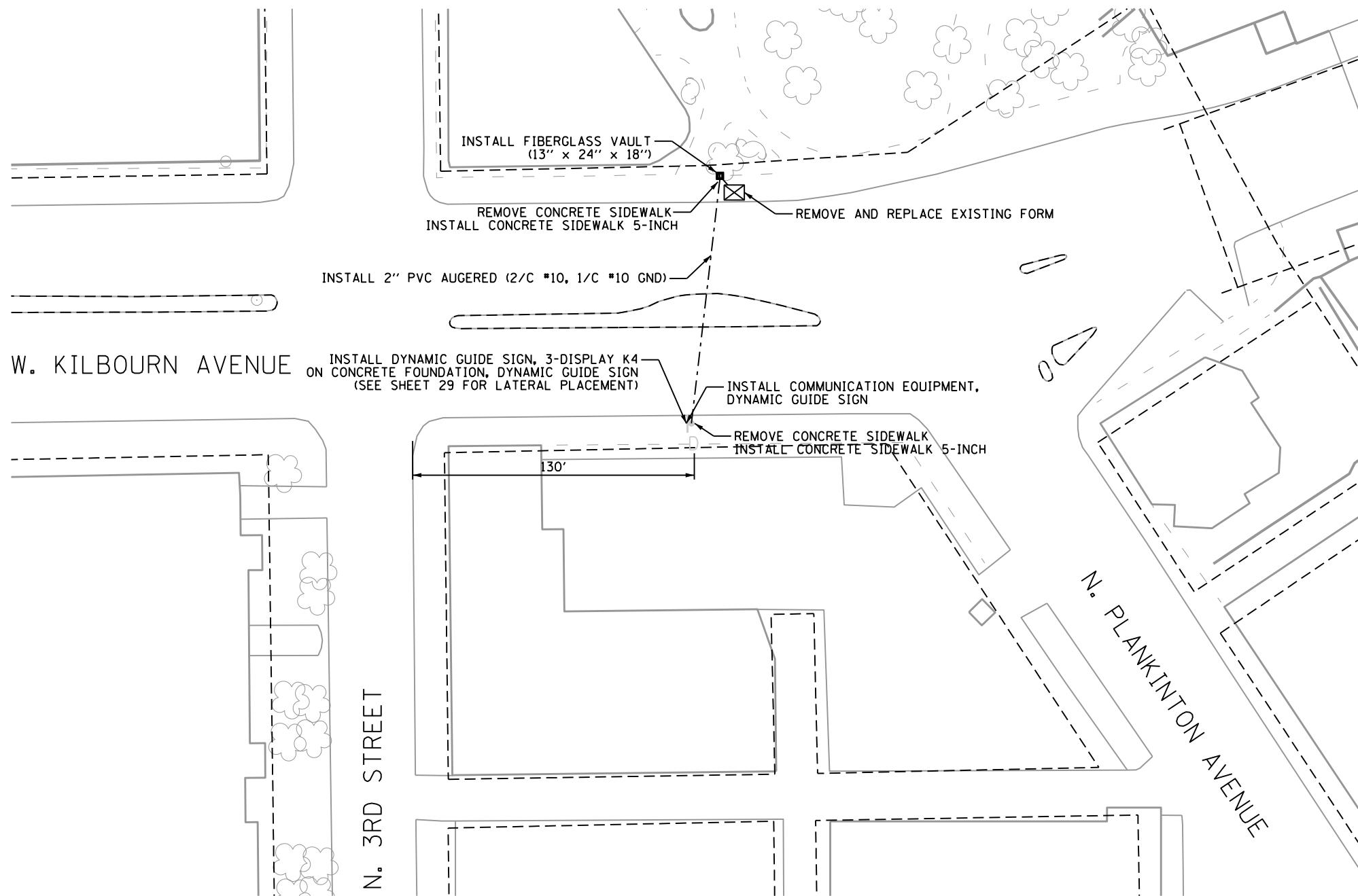
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CHECKED BY: TWB



PAY ITEM	UNIT	QUANTITY
DYNAMIC GUIDE SIGN, 3-DISPLAY	EACH	1
COMMUNICATION EQUIPMENT, DYNAMIC GUIDE SIGN	EACH	1
CONCRETE FOUNDATION, DYNAMIC GUIDE SIGN	EACH	1
TANDEM CIRCUIT BREAKER, 120V, 15/20 AMP, FURNISH ONLY	EACH	1
PVC SCHEDULE 80 CONDUIT AUGERED, 2-INCH	FOOT	425
ELECTRIC CABLE IN CONDUIT, 2/C NO. 10, 1/C NO. 10 GND	FOOT	472
CONCRETE SIDEWALK 5-INCH	SQ FT	108
REMOVING CONCRETE SIDEWALK	SQ YD	12
REMOVE AND REPLACE FORM	EACH	1
FIBERGLASS VAULT (13" x 24" x 18")	EACH	2

LEGEND	
EXISTING	PROPOSED
—S	STATIC GUIDE SIGN
—D	DYNAMIC GUIDE SIGN
—F	PARKING FACILITY SIGN
□	ELECTRICAL VAULT
---	CONDUIT, SIZE AND TYPE AS SPECIFIED
⊠	TRAFFIC SIGNAL CABINET
⊙	STREET LIGHT POLE
▨	HOLLOW WALK
---	R.O.W.



PAY ITEM		UNIT	QUANTITY
DYNAMIC GUIDE SIGN, 3-DISPLAY		EACH	1
COMMUNICATION EQUIPMENT, DYNAMIC GUIDE SIGN		EACH	1
CONCRETE FOUNDATION, DYNAMIC GUIDE SIGN		EACH	1
TANDEM CIRCUIT BREAKER, 120V, 15/20 AMP, FURNISH ONLY		EACH	1
PVC SCHEDULE 80 CONDUIT AUGERED, 2-INCH		FOOT	130
ELECTRIC CABLE IN CONDUIT, 2/C NO. 10, 1/C NO. 10 GND		FOOT	172
CONCRETE SIDEWALK 5-INCH		SQ FT	72
REMOVING CONCRETE SIDEWALK		SQ YD	8
REMOVE AND REPLACE FORM		EACH	1
FIBERGLASS VAULT (13" x 24" x 18")		EACH	1

LEGEND

EXISTING

PROPOSED

S

STATIC GUIDE SIGN

D

DYNAMIC GUIDE SIGN

F

PARKING FACILITY SIGN

E

ELECTRICAL VAULT

---


CONDUIT, SIZE AND TYPE AS SPECIFIED

X

TRAFFIC SIGNAL CABINET

+

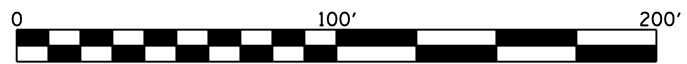
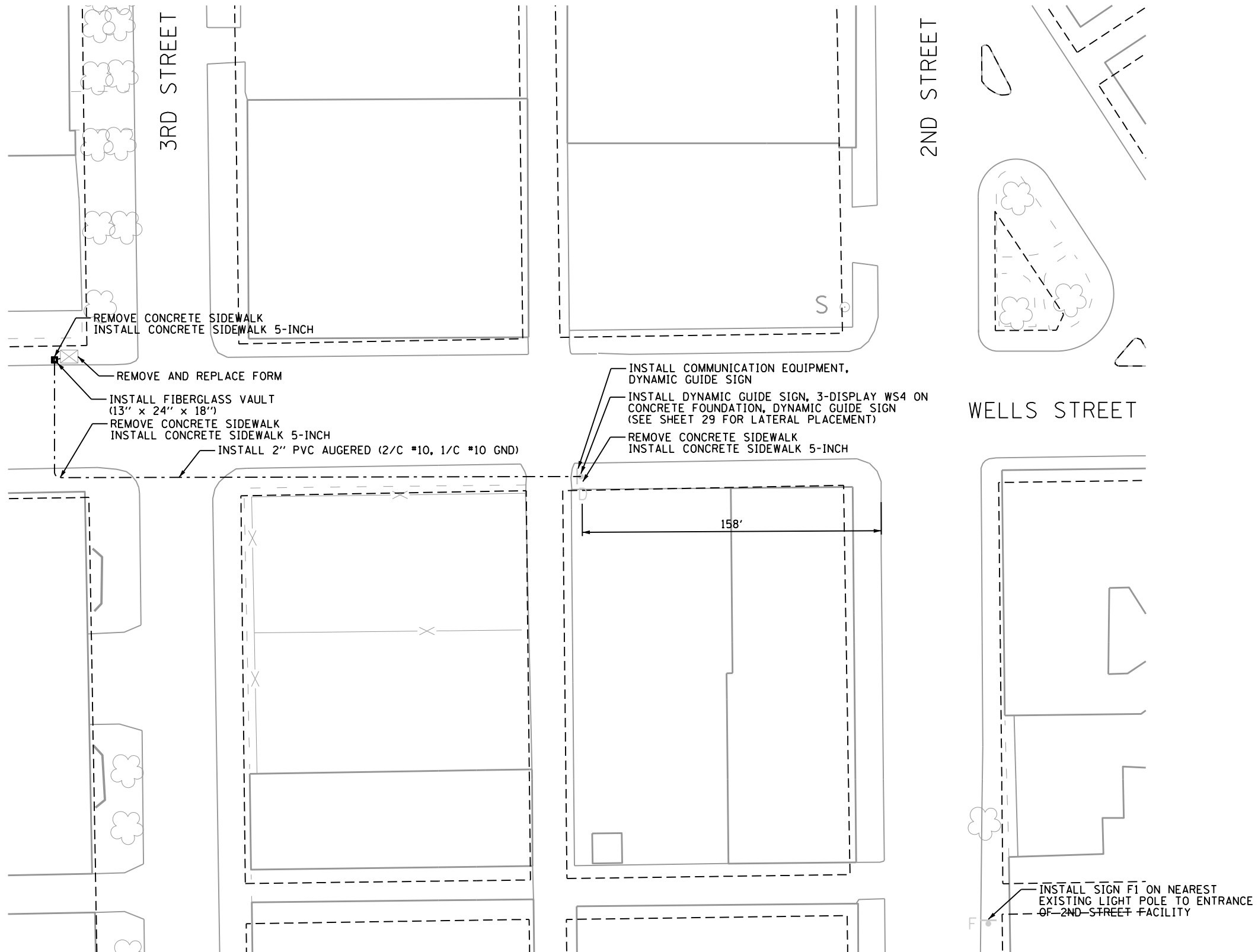
STREET LIGHT POLE

H

HOLLOW WALK

---

R.O.W.



PAY ITEM	UNIT	QUANTITY
DYNAMIC GUIDE SIGN, 3-DISPLAY	EACH	1
COMMUNICATION EQUIPMENT, DYNAMIC GUIDE SIGN	EACH	1
CONCRETE FOUNDATION, DYNAMIC GUIDE SIGN	EACH	1
TANDEM CIRCUIT BREAKER, 120V, 15/20 AMP, FURNISH ONLY	EACH	1
PVC SCHEDULE 80 CONDUIT AUGERED, 2-INCH	FOOT	350
ELECTRIC CABLE IN CONDUIT, 2/C NO. 10, 1/C NO. 10 GND	FOOT	392
CONCRETE SIDEWALK 5-INCH	SQ FT	108
REMOVING CONCRETE SIDEWALK	SQ YD	12
REMOVE AND REPLACE FORM	EACH	1
FIBERGLASS VAULT (13" x 24" x 18")	EACH	1
SIGN PANEL, 24" x 30"	EACH	1

LEGEND

EXISTING

PROPOSED

STATIC GUIDE SIGN

DYNAMIC GUIDE SIGN

PARKING FACILITY SIGN

ELECTRICAL VAULT

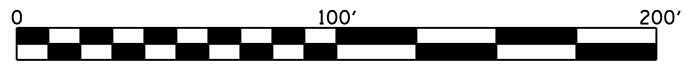
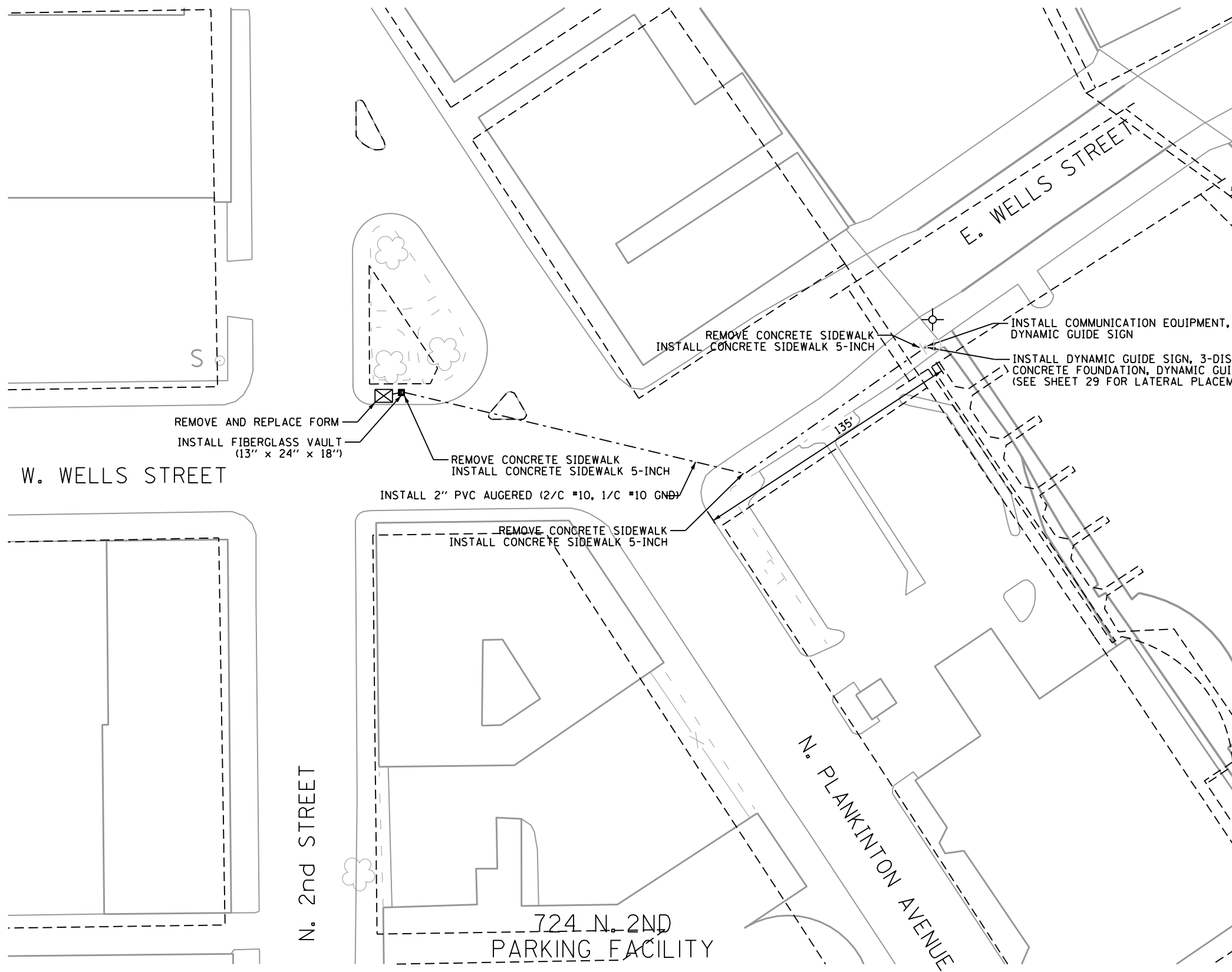
CONDUIT, SIZE AND TYPE AS SPECIFIED

TRAFFIC SIGNAL CABINET

STREET LIGHT POLE

HOLLOW WALK

R.O.W.



PAY ITEM	UNIT	QUANTITY
DYNAMIC GUIDE SIGN, 3-DISPLAY	EACH	1
COMMUNICATION EQUIPMENT, DYNAMIC GUIDE SIGN	EACH	1
CONCRETE FOUNDATION, DYNAMIC GUIDE SIGN	EACH	1
TANDEM CIRCUIT BREAKER, 120V, 15/20 AMP, FURNISH ONLY	EACH	1
PVC SCHEDULE 80 CONDUIT AUGERED, 2-INCH	FOOT	330
ELECTRIC CABLE IN CONDUIT, 2/C NO. 10, 1/C NO. 10 GND	FOOT	372
CONCRETE SIDEWALK 5-INCH	SQ FT	108
REMOVING CONCRETE SIDEWALK	SQ YD	12
REMOVE AND REPLACE FORM	EACH	1
FIBERGLASS VAULT (13" x 24" x 18")	EACH	1

LEGEND

EXISTING

PROPOSED

S

D

F

STATIC GUIDE SIGN

DYNAMIC GUIDE SIGN

PARKING FACILITY SIGN

ELECTRICAL VAULT

CONDUIT, SIZE AND TYPE AS SPECIFIED

TRAFFIC SIGNAL CABINET

STREET LIGHT POLE

HOLLOW WALK

R.O.W.

PROJECT NO: 2984-21-70

CITY OF MILWAUKEE DPW - INFRASTRUCTURE SERVICES DIVISION

SHEET NAME: GUIDE SIGN (WS5) SITE PLAN

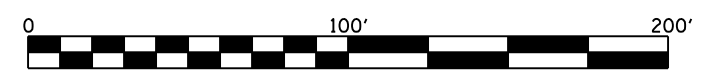
SHEET 14 OF 46

FILE NAME : P:\050019.025\Final Design with Revision #3\CADD\SP10.SHT

PLOT DATE : 05/21/12 1:23:20 PM

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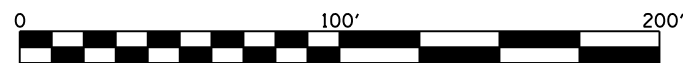
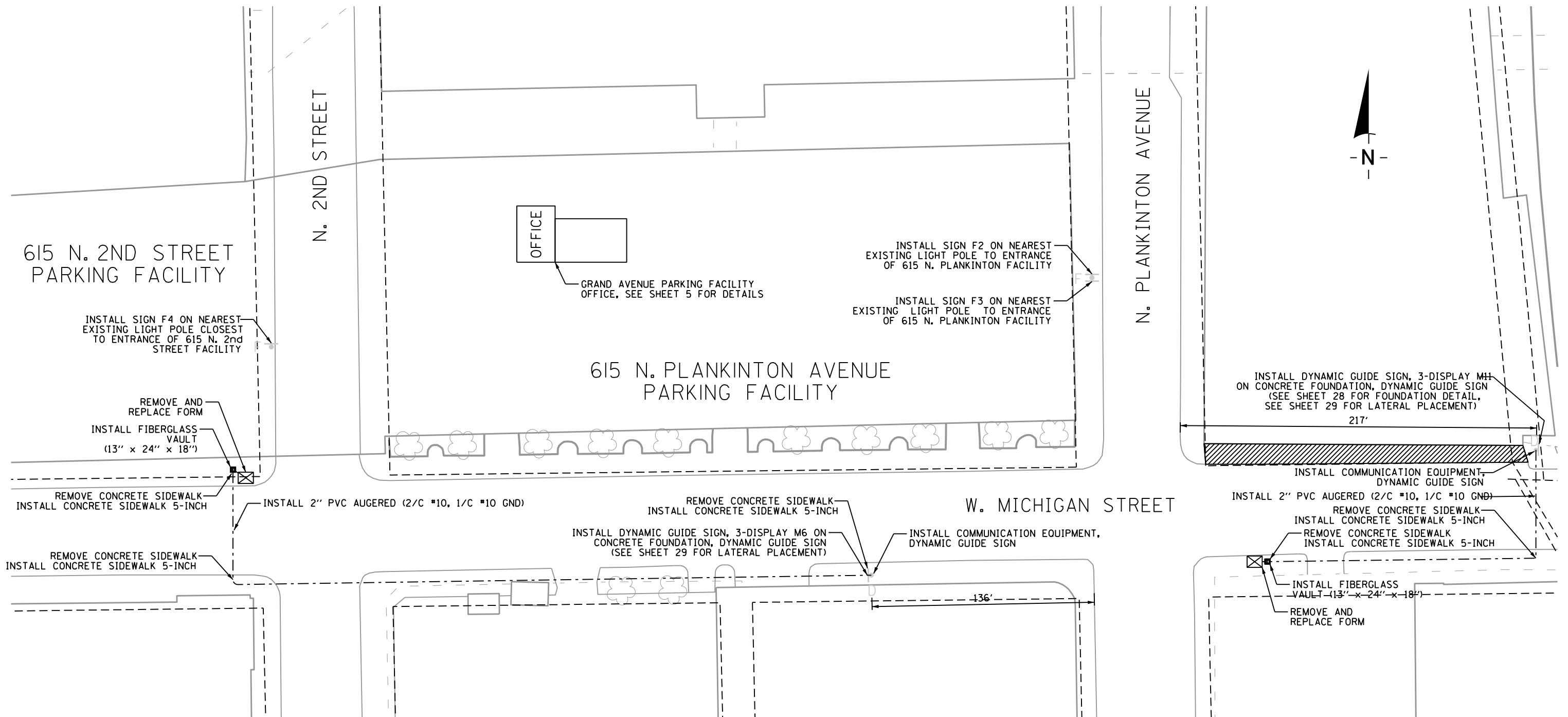
CHECKED BY: TWB



PAY ITEM		UNIT	QUANTITY
SIGN PANEL, 24" x 30"		EACH	4

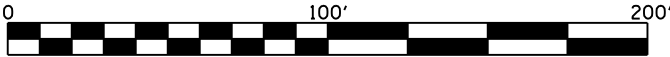
LEGEND

EXISTING	PROPOSED	
		STATIC GUIDE SIGN
		DYNAMIC GUIDE SIGN
		PARKING FACILITY SIGN
		ELECTRICAL VAULT
		CONDUIT, SIZE AND TYPE AS SPECIFIED
		TRAFFIC SIGNAL CABINET
		STREET LIGHT POLE
		HOLLOW WALK
		R.O.W.



PAY ITEM	UNIT	QUANTITY
DYNAMIC GUIDE SIGN, 3-DISPLAY	EACH	2
COMMUNICATION EQUIPMENT, DYNAMIC GUIDE SIGN	EACH	2
CONCRETE FOUNDATION, DYNAMIC GUIDE SIGN	EACH	2
TANDEM CIRCUIT BREAKER, 120V, 15/20 AMP, FURNISH ONLY	EACH	2
PVC SCHEDULE 80 CONDUIT AUGERED, 2-INCH	FOOT	720
ELECTRIC CABLE IN CONDUIT, 2C NO. 10, 1C NO. 10 GND	FOOT	804
CONCRETE SIDEWALK 5-INCH	SQ FT	216
REMOVING CONCRETE SIDEWALK	SQ YD	24
REMOVE AND REPLACE FORM	EACH	2
FIBERGLASS VAULT (13" x 24" x 18")	EACH	2
SIGN PANEL, 24" x 30"	EACH	3

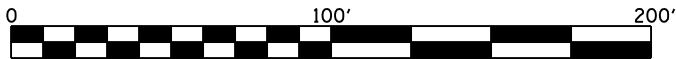
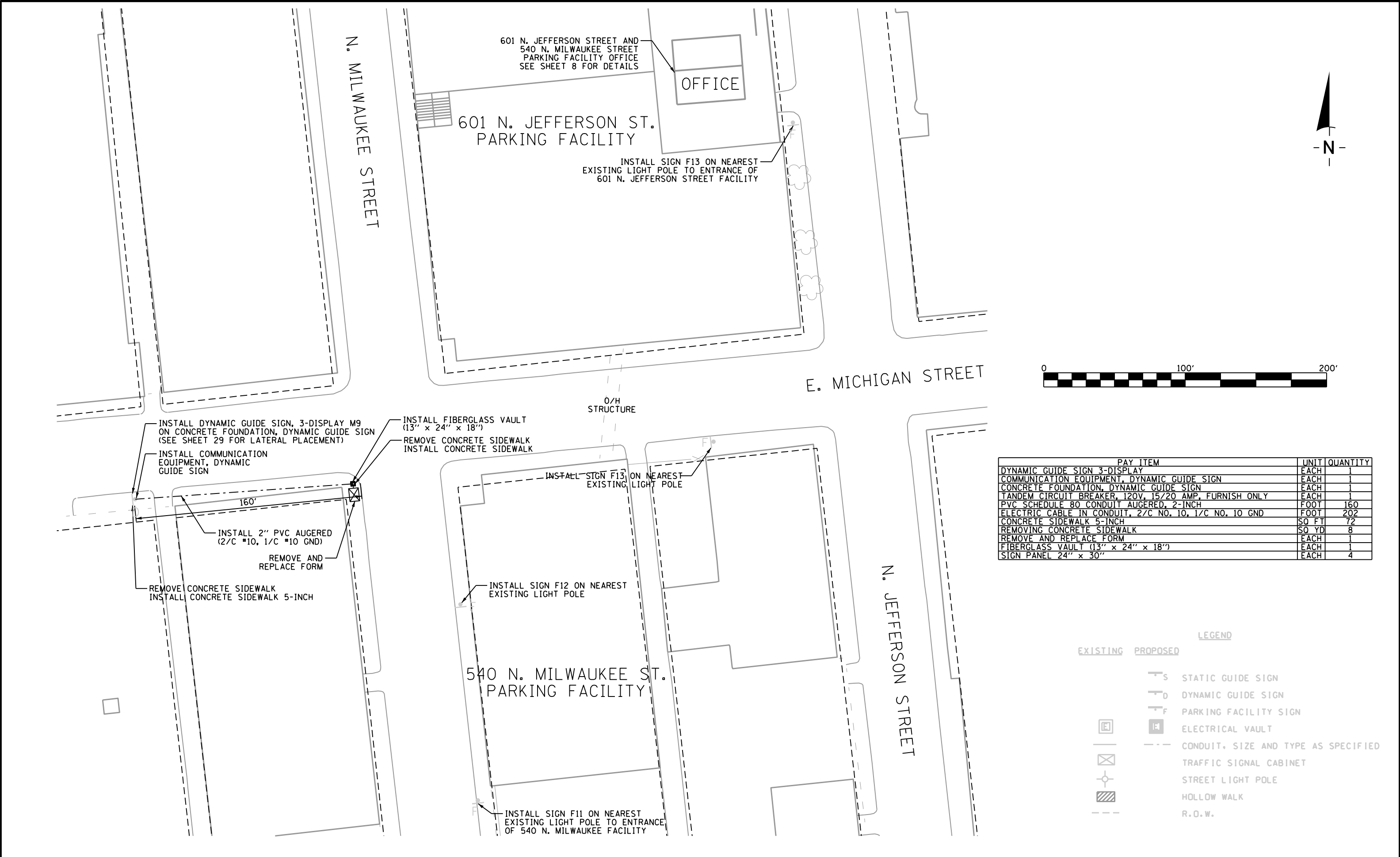




PAY ITEM	UNIT	QUANTITY
DYNAMIC GUIDE SIGN, 3-DISPLAY	EACH	1
COMMUNICATION EQUIPMENT, DYNAMIC GUIDE SIGN	EACH	1
CONCRETE FOUNDATION, DYNAMIC GUIDE SIGN	EACH	1
TANDEM CIRCUIT BREAKER, 120V, 15/20 AMPS, FURNISH ONLY	EACH	1
STATIC GUIDE SIGN, 4-PANEL	EACH	2
CONCRETE FOUNDATION, STATIC GUIDE SIGN	EACH	2
PVC SCHEDULE 80 CONDUIT AUGERED, 2-INCH	FOOT	150
ELECTRIC CABLE IN CONDUIT, 2/C NO. 10, 1/C NO. 10 GND	FOOT	192
CONCRETE SIDEWALK 5-INCH	SQ FT	144
REMOVING CONCRETE SIDEWALK	SQ YD	16
REMOVE AND REPLACE FORM	EACH	1
FIBERGLASS VAULT (13" x 24" x 18")	EACH	1
SIGN PANEL, 24" x 30"	EACH	2

LEGEND

EXISTING	PROPOSED	
	S	STATIC GUIDE SIGN
	D	DYNAMIC GUIDE SIGN
	F	PARKING FACILITY SIGN
	V	ELECTRICAL VAULT
	---	CONDUIT, SIZE AND TYPE AS SPECIFIED
	⊠	TRAFFIC SIGNAL CABINET
	⊙	STREET LIGHT POLE
	▨	HOLLOW WALK
	---	R.O.W.



PAY ITEM	UNIT	QUANTITY
DYNAMIC GUIDE SIGN 3-DISPLAY	EACH	1
COMMUNICATION EQUIPMENT, DYNAMIC GUIDE SIGN	EACH	1
CONCRETE FOUNDATION, DYNAMIC GUIDE SIGN	EACH	1
TANDEM CIRCUIT BREAKER, 120V, 15/20 AMP, FURNISH ONLY	EACH	1
PVC SCHEDULE 80 CONDUIT AUGERED, 2-INCH	FOOT	160
ELECTRIC CABLE IN CONDUIT, 2/C NO. 10, 1/C NO. 10 GND	FOOT	202
CONCRETE SIDEWALK 5-INCH	SQ FT	72
REMOVING CONCRETE SIDEWALK	SQ YD	8
REMOVE AND REPLACE FORM	EACH	1
FIBERGLASS VAULT (13" x 24" x 18")	EACH	1
SIGN PANEL 24" x 30"	EACH	4

LEGEND

EXISTING PROPOSED

—S— STATIC GUIDE SIGN

—D— DYNAMIC GUIDE SIGN

—F— PARKING FACILITY SIGN

□ ELECTRICAL VAULT

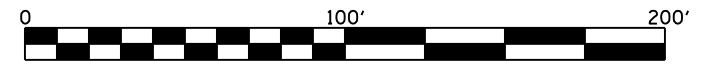
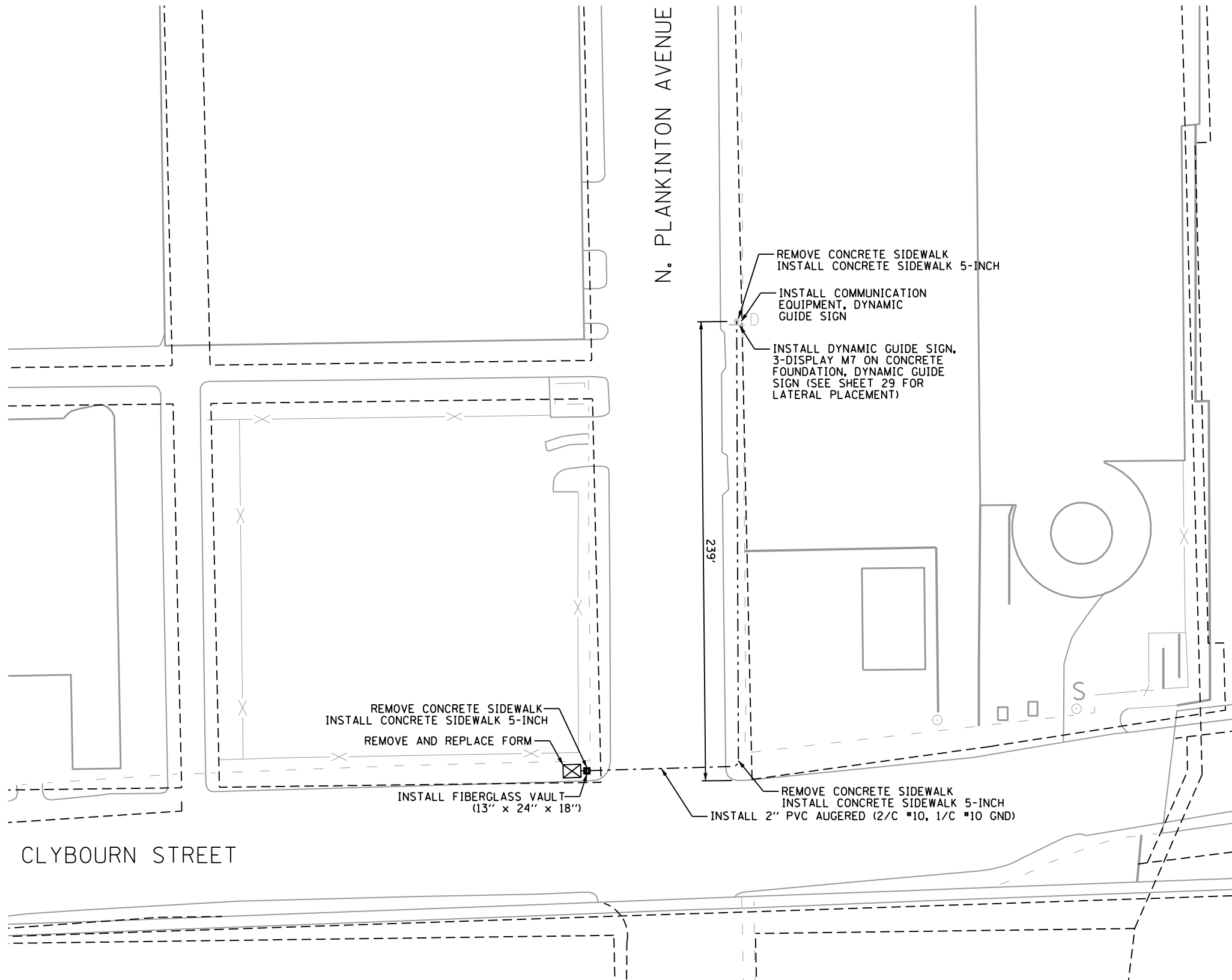
— — — CONDUIT, SIZE AND TYPE AS SPECIFIED

□ TRAFFIC SIGNAL CABINET

⊙ STREET LIGHT POLE

▨ HOLLOW WALK

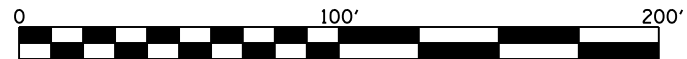
--- R.O.W.



PAY ITEM	UNIT	QUANTITY
DYNAMIC GUIDE SIGN, 3-DISPLAY	EACH	1
COMMUNICATION EQUIPMENT, DYNAMIC GUIDE SIGN	EACH	1
CONCRETE FOUNDATION, DYNAMIC GUIDE SIGN	EACH	1
TANDEM CIRCUIT BREAKER, 120V, 15/20 AMP, FURNISH ONLY	EACH	1
PVC SCHEDULE 80 CONDUIT AUGERED, 2-INCH	FOOT	330
ELECTRIC CABLE IN CONDUIT, 2/C NO. 10, 1/C NO. 10 GND	FOOT	372
CONCRETE SIDEWALK 5-INCH	SQ FT	108
REMOVING CONCRETE SIDEWALK	SQ YD	12
REMOVE AND REPLACE FORM	EACH	1
FIBERGLASS VAULT (13" x 24" x 18")	EACH	1

LEGEND

- EXISTING
- PROPOSED
- STATIC GUIDE SIGN
- DYNAMIC GUIDE SIGN
- PARKING FACILITY SIGN
- ELECTRICAL VAULT
- CONDUIT, SIZE AND TYPE AS SPECIFIED
- TRAFFIC SIGNAL CABINET
- STREET LIGHT POLE
- HOLLOW WALK
- R.O.W.



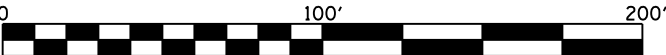
PAY ITEM		UNIT	QUANTITY
DYNAMIC GUIDE SIGN, 3-DISPLAY	M10 ON CONCRETE FOUNDATION, DYNAMIC GUIDE SIGN (SEE SHEET 29 FOR LATERAL PLACEMENT)	EACH	2
COMMUNICATION EQUIPMENT, DYNAMIC GUIDE SIGN		EACH	2
CONCRETE FOUNDATION, DYNAMIC GUIDE SIGN		EACH	2
TANDEM CIRCUIT BREAKER, 120V, 15/20 AMP, FURNISH ONLY		EACH	2
PVC SCHEDULE 80 CONDUIT AUGERED, 2-INCH		FOOT	660
ELECTRIC CABLE IN CONDUIT, 2/C #10, 1/C #10 GND		FOOT	744
CONCRETE SIDEWALK 5-INCH		SQ FT	216
REMOVING CONCRETE SIDEWALK		SQ YD	24
REMOVE AND REPLACE FORM		EACH	2
FIBERGLASS VAULT (13" x 24" x 18")		EACH	2

LEGEND

EXISTING PROPOSED

- S STATIC GUIDE SIGN
- D DYNAMIC GUIDE SIGN
- F PARKING FACILITY SIGN
- ELECTRICAL VAULT
- CONDUIT, SIZE AND TYPE AS SPECIFIED
- TRAFFIC SIGNAL CABINET
- STREET LIGHT POLE
- HOLLOW WALK
- R.O.W.

NOTE: CONTRACTOR TO COORDINATE WITH XXX FOR POSSIBLE CONFLICT WITH FUTURE STREET CAR TRACK LAYOUT



PAY ITEM		UNIT	QUANTITY
DYNAMIC GUIDE SIGN, 3-DISPLAY		EACH	1
COMMUNICATION EQUIPMENT, DYNAMIC GUIDE SIGN		EACH	1
CONCRETE FOUNDATION, DYNAMIC GUIDE SIGN		EACH	1
STATIC GUIDE SIGN, 4-PANEL		EACH	1
CONCRETE FOUNDATION, STATIC GUIDE SIGN		EACH	1
TANDEM CIRCUIT BREAKER, 120 V, 15/20 AMP, FURNISH ONLY		EACH	1
PVC SCHEDULE 80 CONDUIT AUGERED 2-INCH		FOOT	355
ELECTRIC CABLE IN CONDUIT, 2/C NO. 10, 1/C NO. 10 GND		FOOT	397
CONCRETE SIDEWALK 5-INCH		SQ FT	144
REMOVING CONCRETE SIDEWALK		SQ YD	16
REMOVE AND REPLACE FORM		EACH	1
FIBERGLASS VAULT (13" x 24" x 18")		EACH	1

LEGEND

EXISTING

PROPOSED

STATIC GUIDE SIGN

DYNAMIC GUIDE SIGN

PARKING FACILITY SIGN

ELECTRICAL VAULT

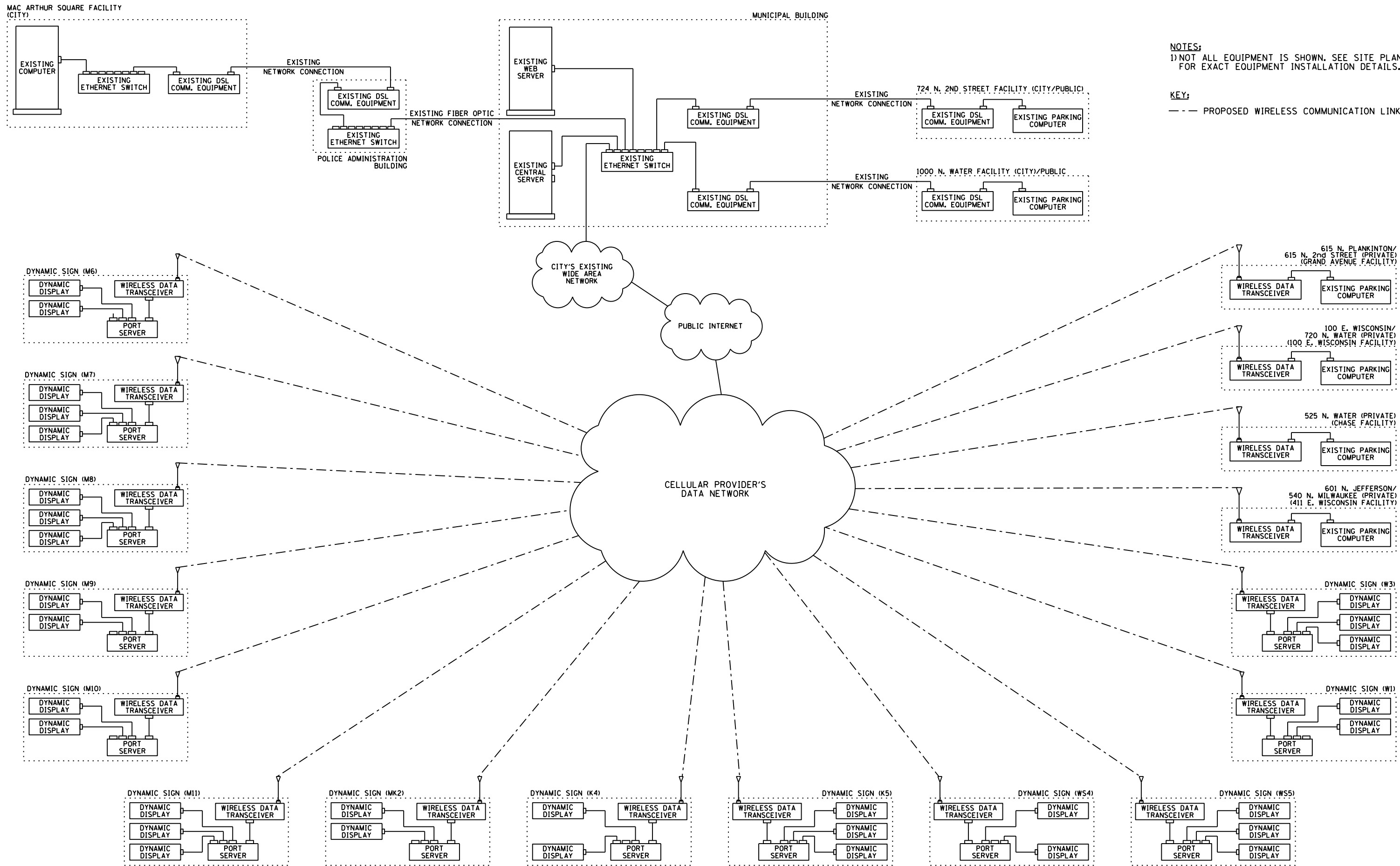
CONDUIT, SIZE AND TYPE AS SPECIFIED

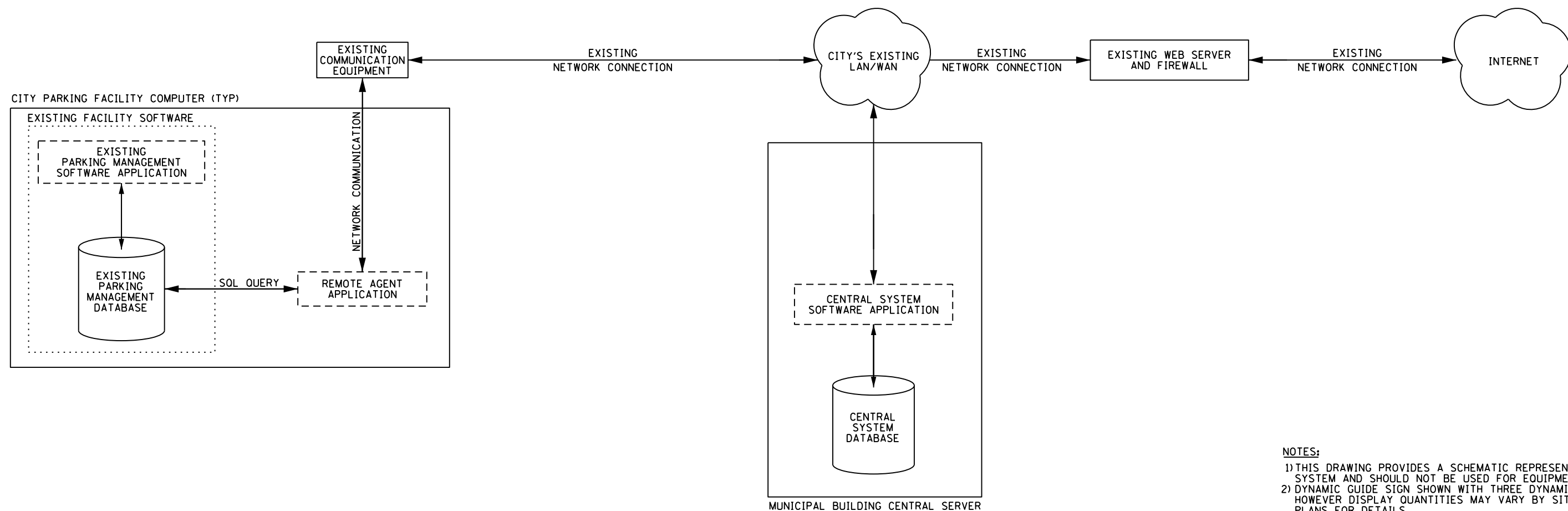
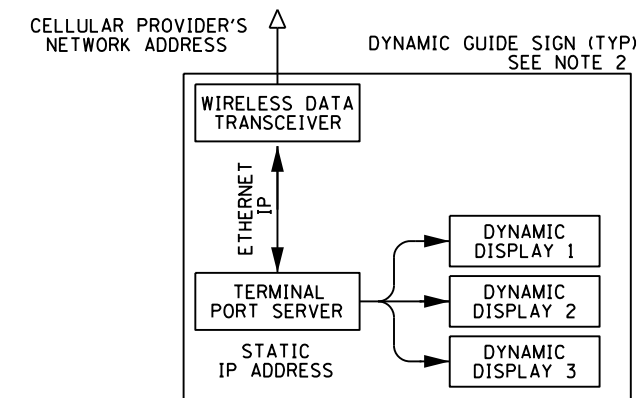
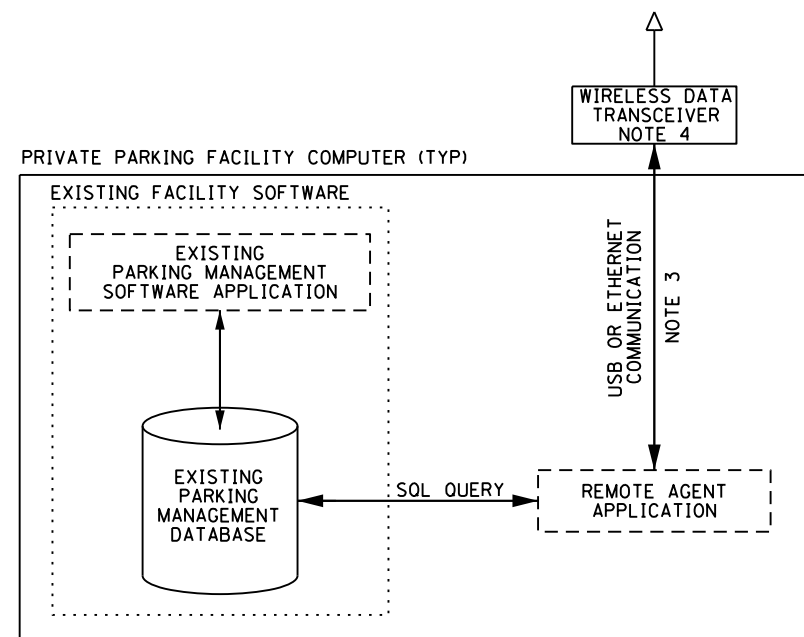
TRAFFIC SIGNAL CABINET

STREET LIGHT POLE

HOLLOW WALK

R.O.W.



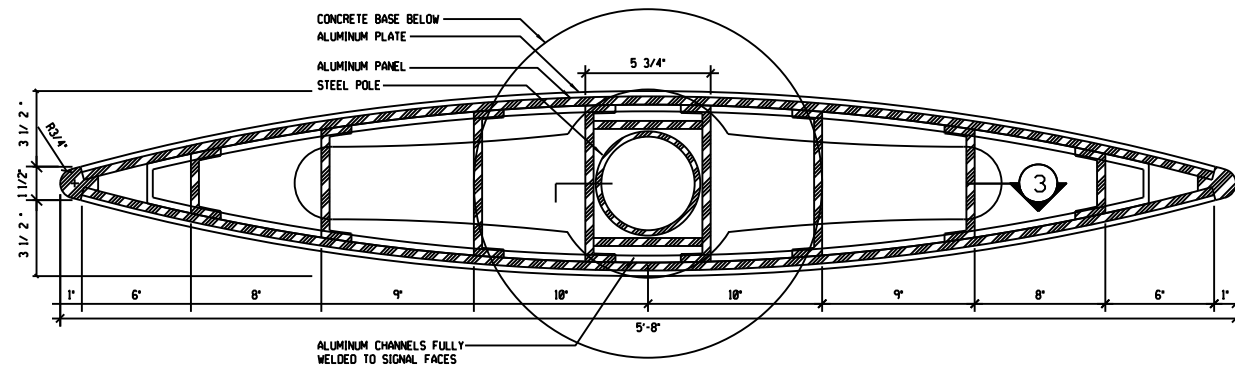


NOTES:

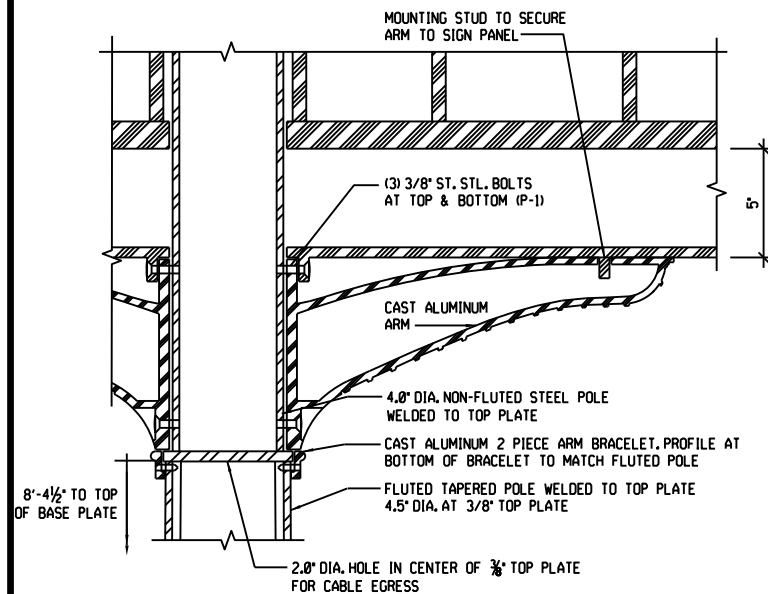
- 1) THIS DRAWING PROVIDES A SCHEMATIC REPRESENTATION OF THE SYSTEM AND SHOULD NOT BE USED FOR EQUIPMENT QUANTITIES.
- 2) DYNAMIC GUIDE SIGN SHOWN WITH THREE DYNAMIC DISPLAYS, HOWEVER DISPLAY QUANTITIES MAY VARY BY SITE. SEE SITE PLANS FOR DETAILS.
- 3) FOR ETHERNET CONNECTION, Crossover CABLE MAY BE REQUIRED.
- 4) INSTALL TRANSCEIVER AT A LOCATION WITH ADEQUATE SIGNAL LEVEL.

SYSTEM MODEL

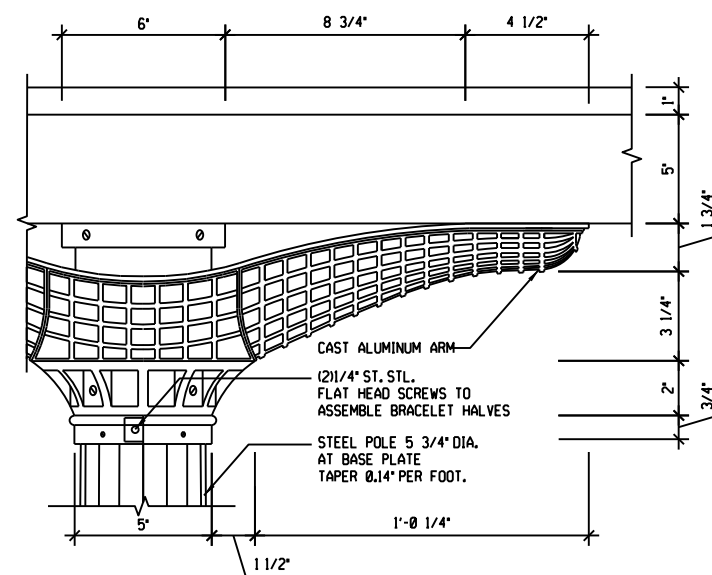
NOT TO SCALE



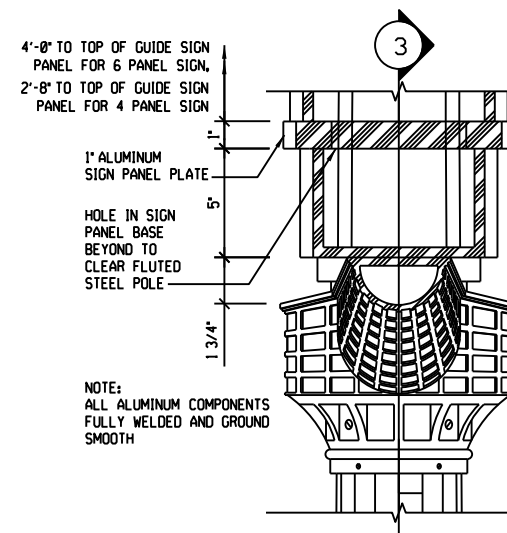
DETAIL 2
PLAN - SIGN PANEL



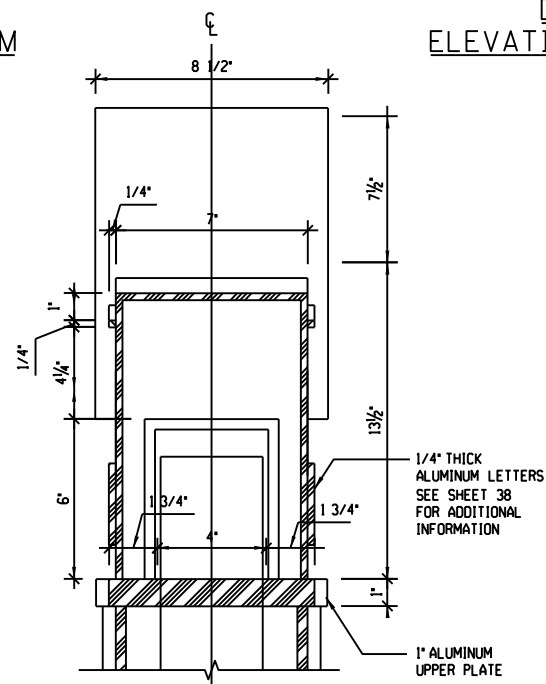
DETAIL 3
SECTION - SIGN ARM



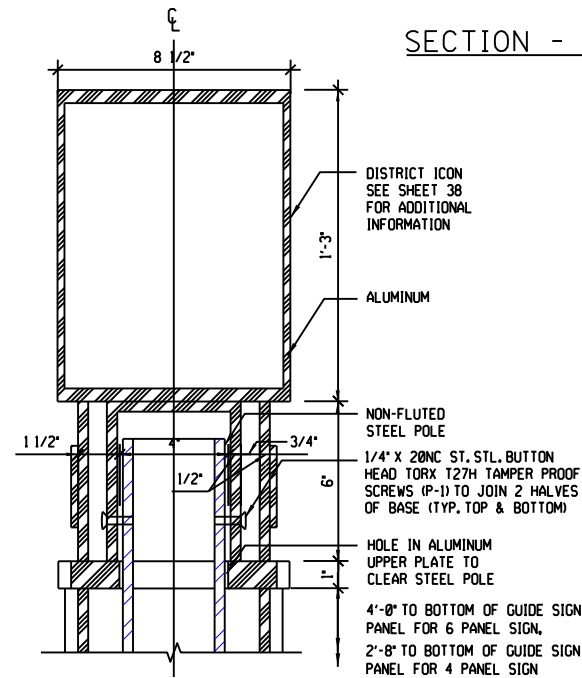
DETAIL 4
ELEVATION - SIGN ARM



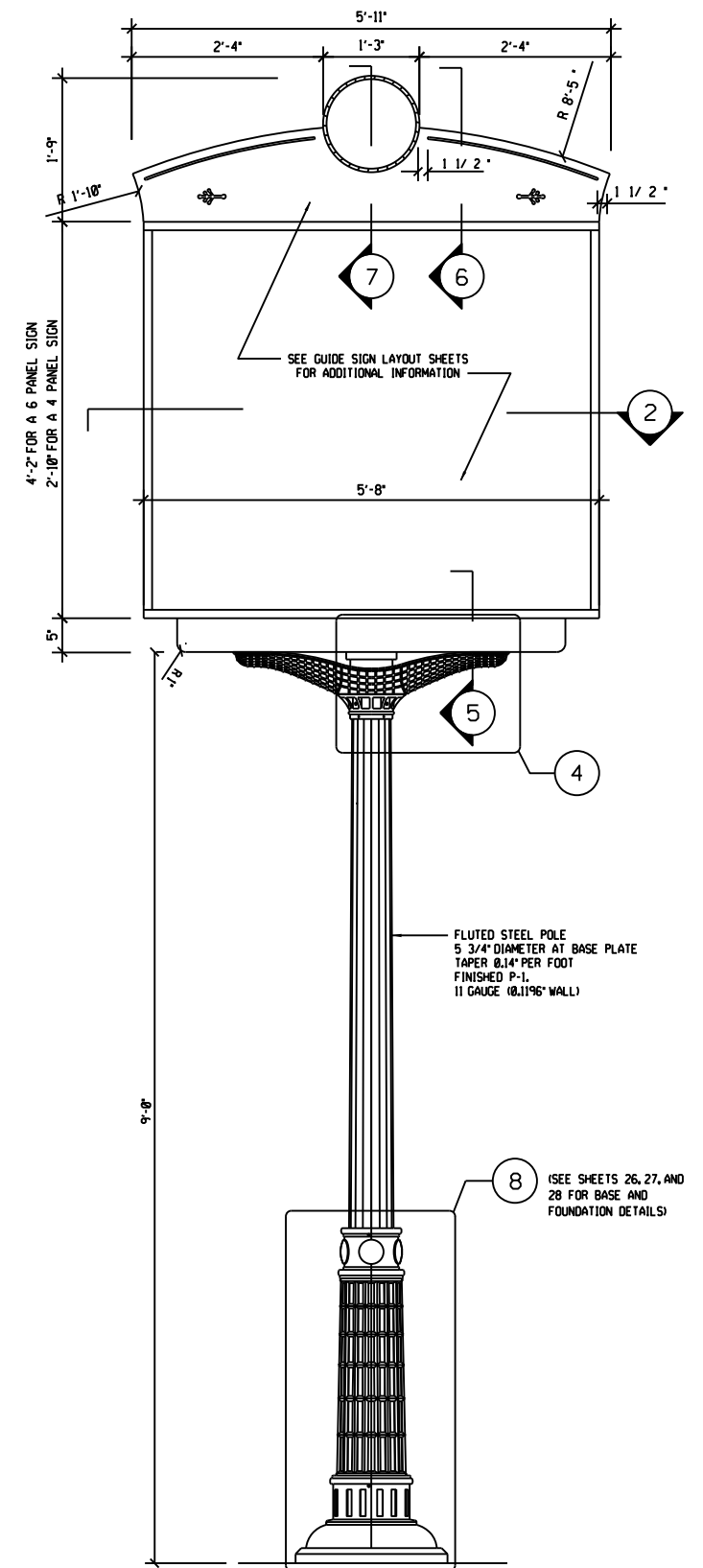
DETAIL 5
SECTION - SIGN ARM AND PANEL



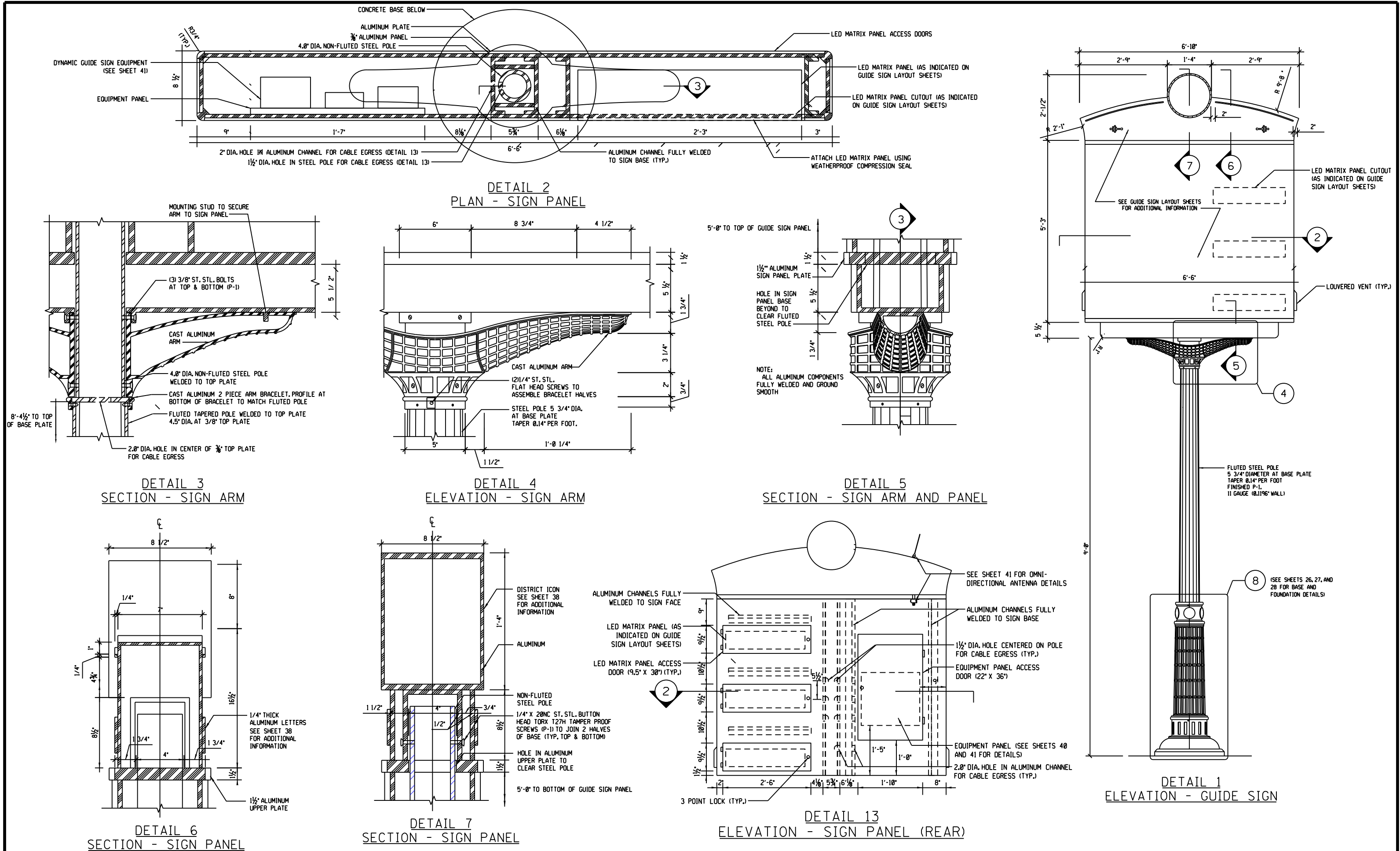
DETAIL 6
SECTION - SIGN PANEL

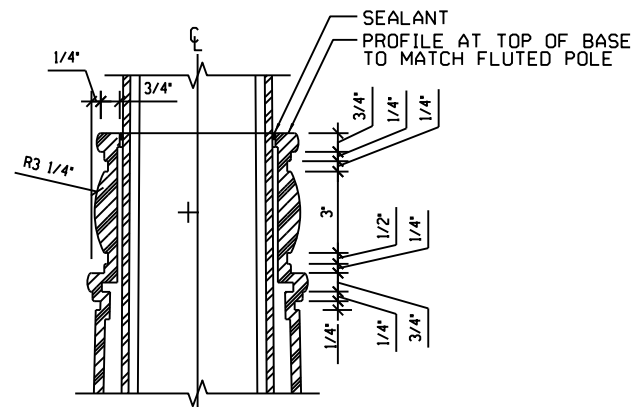


DETAIL 7
SECTION - SIGN PANEL

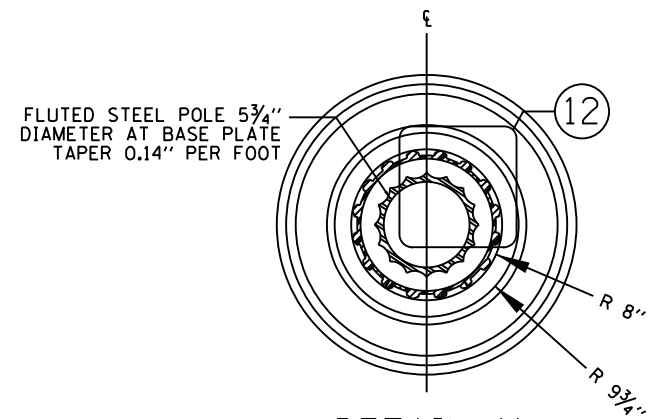


DETAIL 1
ELEVATION - GUIDE SIGN

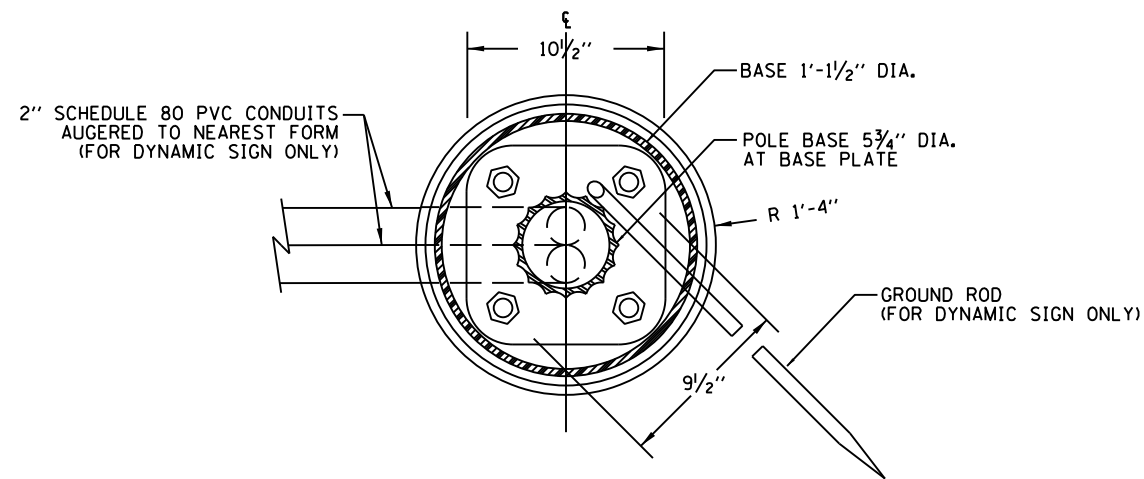




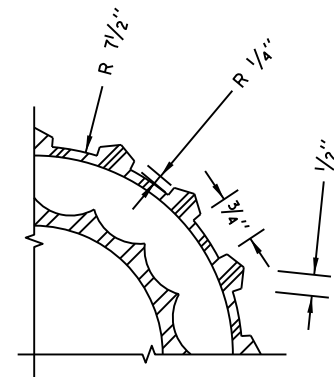
DETAIL 9
SECTION - SIGN BASE



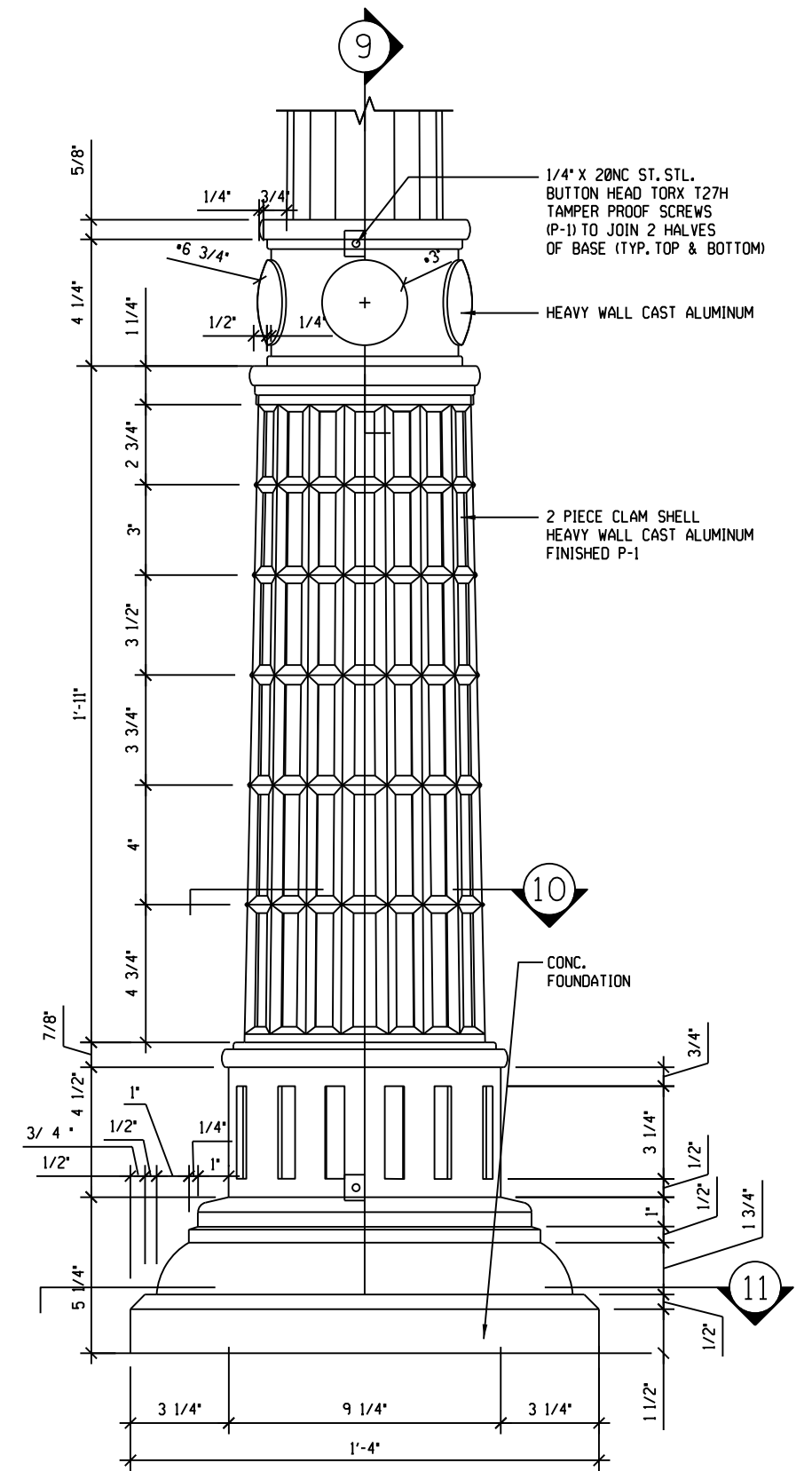
DETAIL 11
PLAN - SIGN BASE



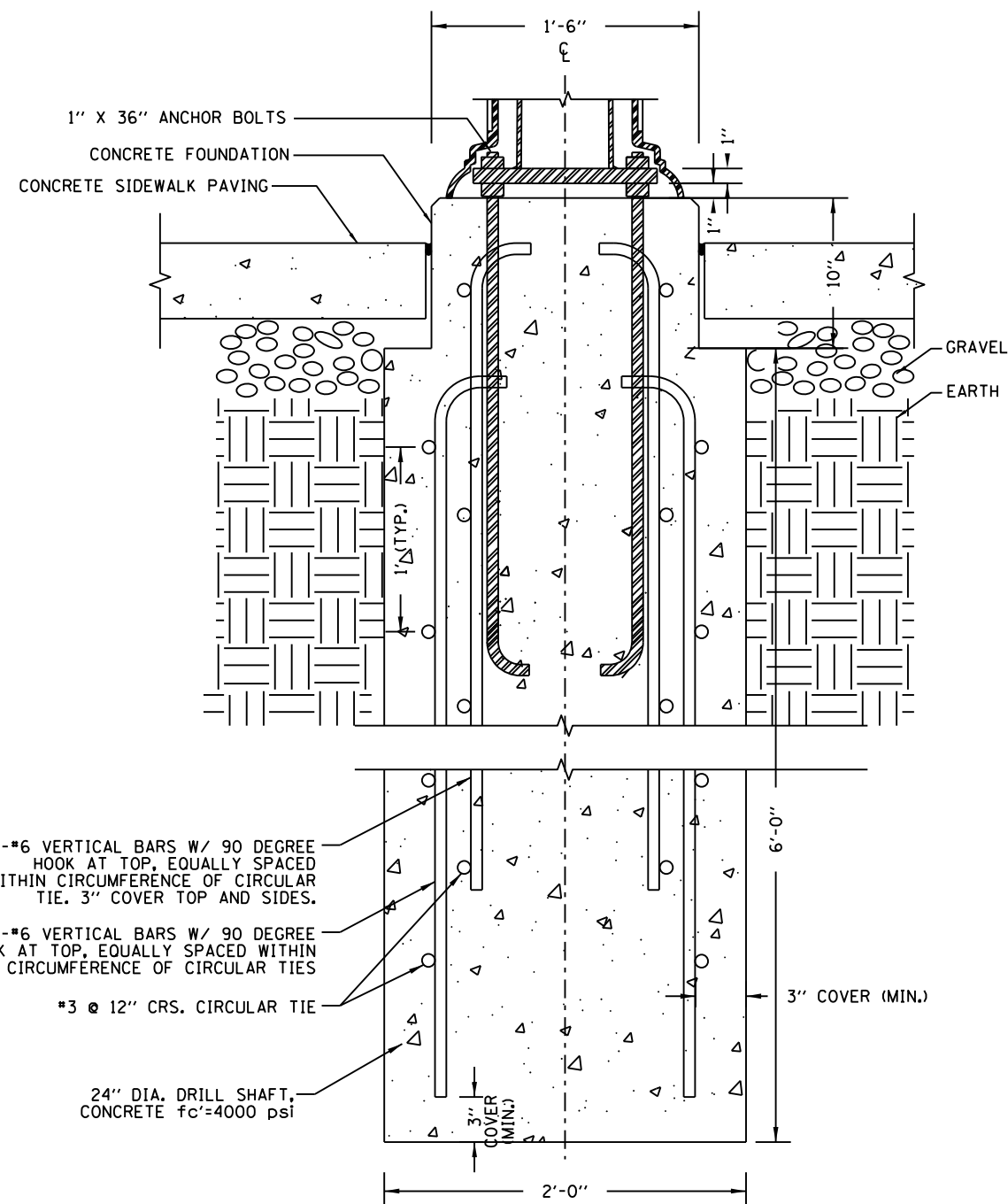
DETAIL 10
PLAN - SIGN BASE



DETAIL 12
PLAN - SIGN BASE



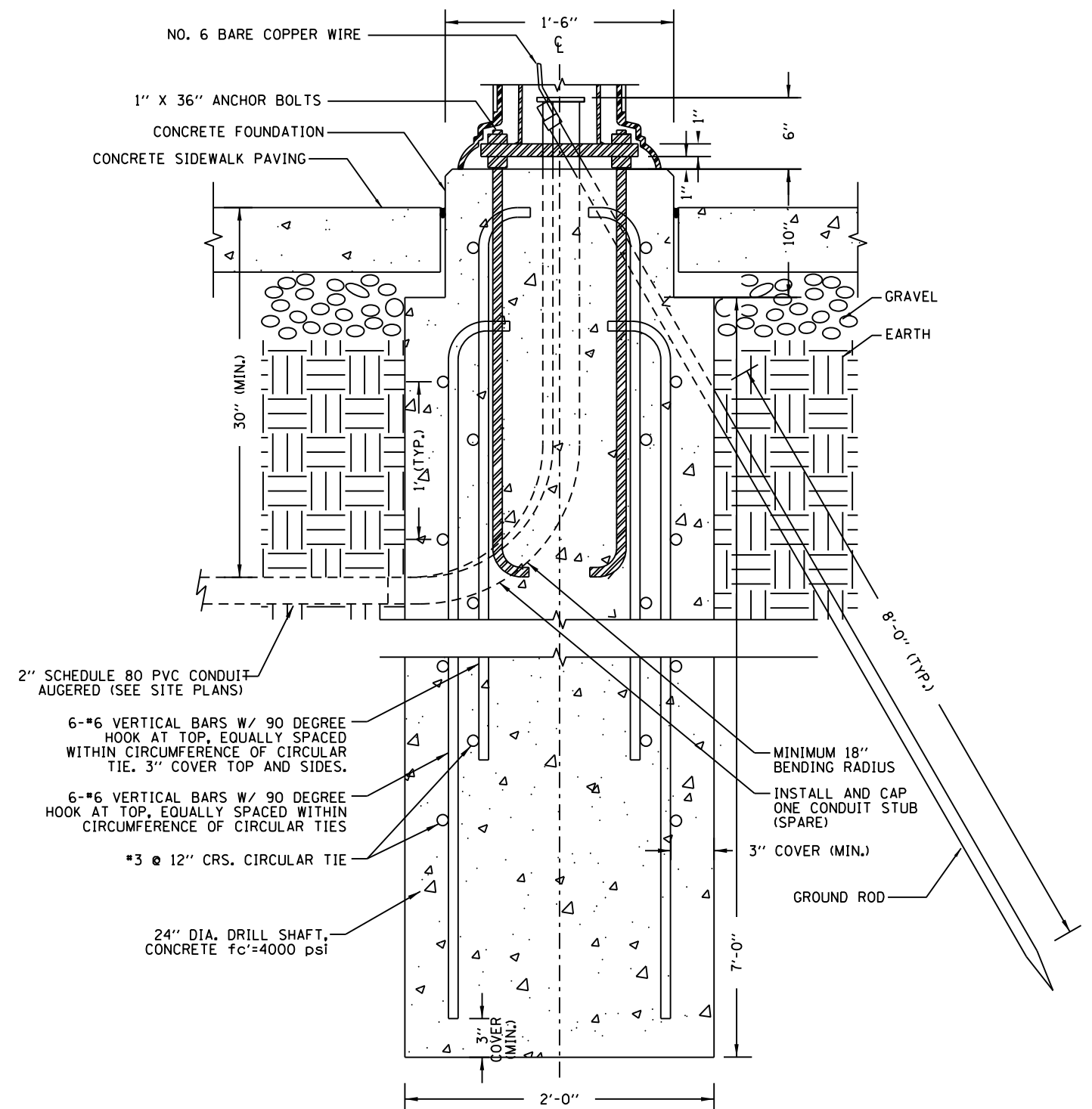
DETAIL 8
ELEVATION - SIGN BASE



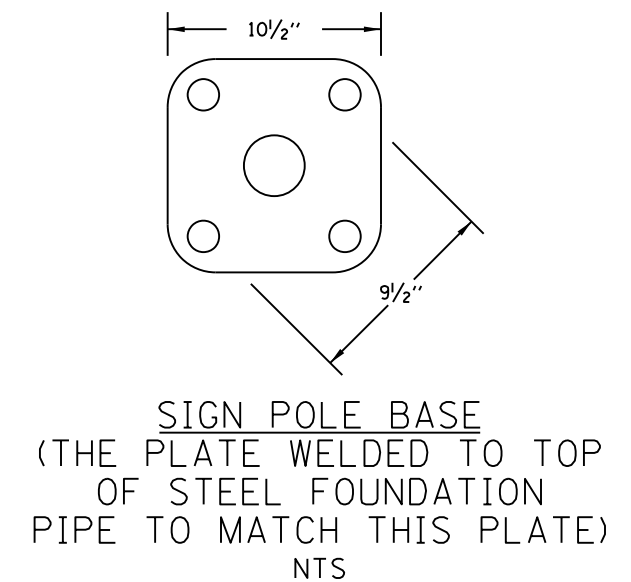
CONCRETE FOUNDATION DETAIL
(STATIC GUIDE SIGN)

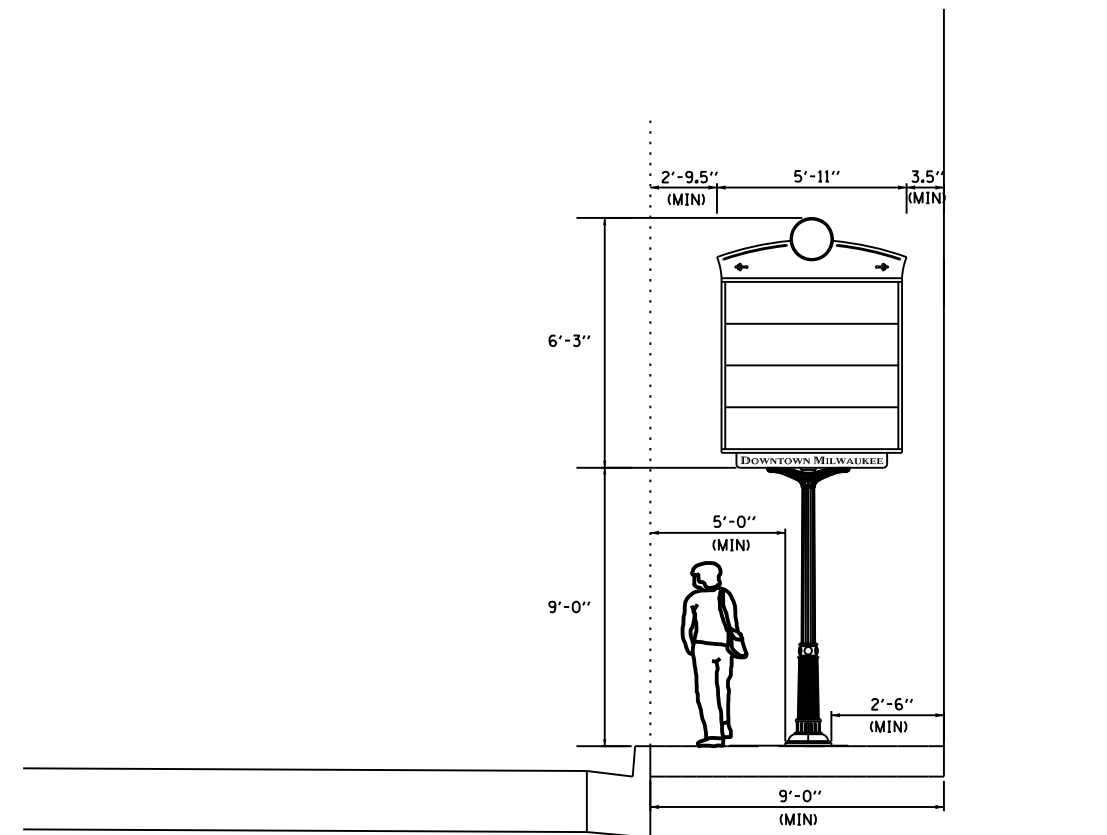
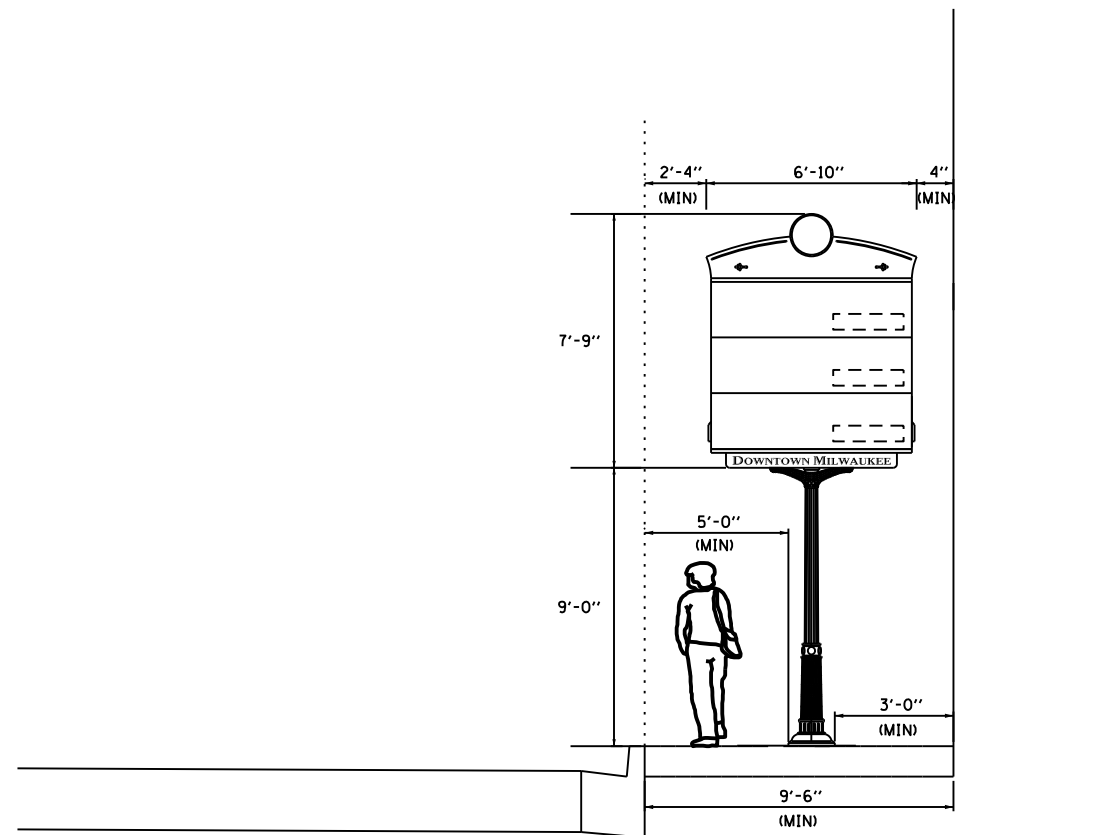
NOTE:

1. FOR DYNAMIC GUIDE SIGN M11 FOUNDATION, SEE SHEET 28.



CONCRETE FOUNDATION DETAIL
(DYNAMIC GUIDE SIGN)





TYPICAL DYNAMIC SIGN PLACEMENT
(9.5' WIDTH SIDEWALK OR GREATER)

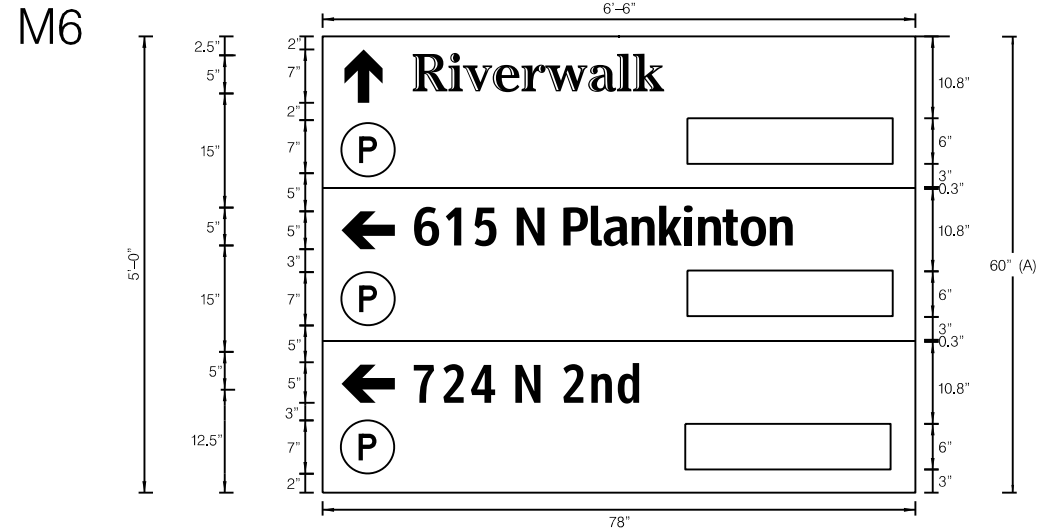
TYPICAL STATIC SIGN PLACEMENT
(9.0' WIDTH SIDEWALK OR GREATER)

NOTES:

1. SIGNS SHALL BE PLACED AT LOCATIONS DESIGNATED ON THE SITE PLAN SHEETS. LATERAL PLACEMENT OF THE SIGNS SHOULD FOLLOW THE ABOVE DIMENSIONS WHILE CONSIDERING POTENTIAL CONFLICTS (NEARBY EXISTING SIGN POSTS, TREES, ETC.), MOTORIST VISIBILITY, AND PEDESTRIAN EGRESS AROUND THE SIGNS. PROPOSED SIGN PLACEMENT SHALL BE APPROVED BY THE ENGINEER BEFORE INSTALLATION.

SCALE: NTS

SIGN DETAIL



SIGN NUMBER	M6
WIDTH x HIGHT	6'-6" x 5'-0"
BORDER WIDTH	0"
CORNER RADIUS	0"
MOUNTING	Post
BACKGROUND "A"	TYPE: Painted Aluminum COLOR: Pantone 145 Orange
BACKGROUND "B"	TYPE: COLOR:
BACKGROUND "C"	TYPE: COLOR:
BACKGROUND "D"	TYPE: COLOR:
LEGEND/BORDER	TYPE: Reflective COLOR: Natural White Satin

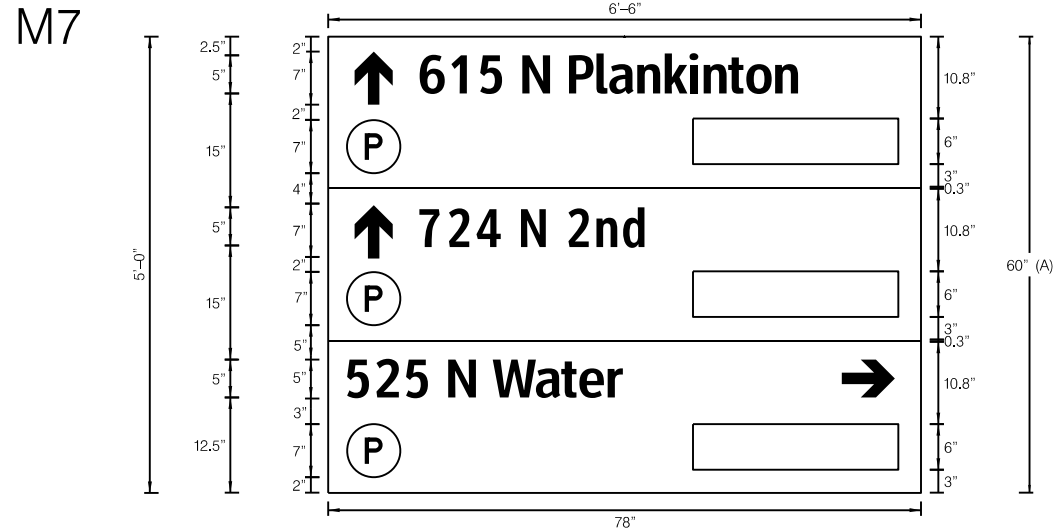
SYMBOL	X	Y	WID	HT
DIRECTIONAL ARROW (STRAIGHT)	3.5	51	5	7
LED MATRIX PANEL CUTOUT	48	43.2	27	6
INTERNATIONAL PARKING SYMBOL	2.5	42	7	7
DIRECTIONAL ARROW (LEFT)	2.5	32	7	5
LED MATRIX PANEL CUTOUT	48	23.1	27	6
INTERNATIONAL PARKING SYMBOL	2.5	22	7	7
DIRECTIONAL ARROW (LEFT)	2.5	12	7	5
LED MATRIX PANEL CUTOUT	48	3	27	6
INTERNATIONAL PARKING SYMBOL	2.5	2	7	7

Dimenstions are in: inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																										LENGTH	SERIES/SIZE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
R	i	v	e	r	w	a	l	k																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						

SIGN DETAIL



SIGN NUMBER	M7
WIDTH x HIGHT	6'-6" x 5'-0"
BORDER WIDTH	0"
CORNER RADIUS	0"
MOUNTING	Post
BACKGROUND "A"	TYPE: Painted Aluminum COLOR: Pantone 145 Orange
BACKGROUND "B"	TYPE: COLOR:
BACKGROUND "C"	TYPE: COLOR:
BACKGROUND "D"	TYPE: COLOR:
LEGEND/BORDER	TYPE: Reflective COLOR: Natural White Satin

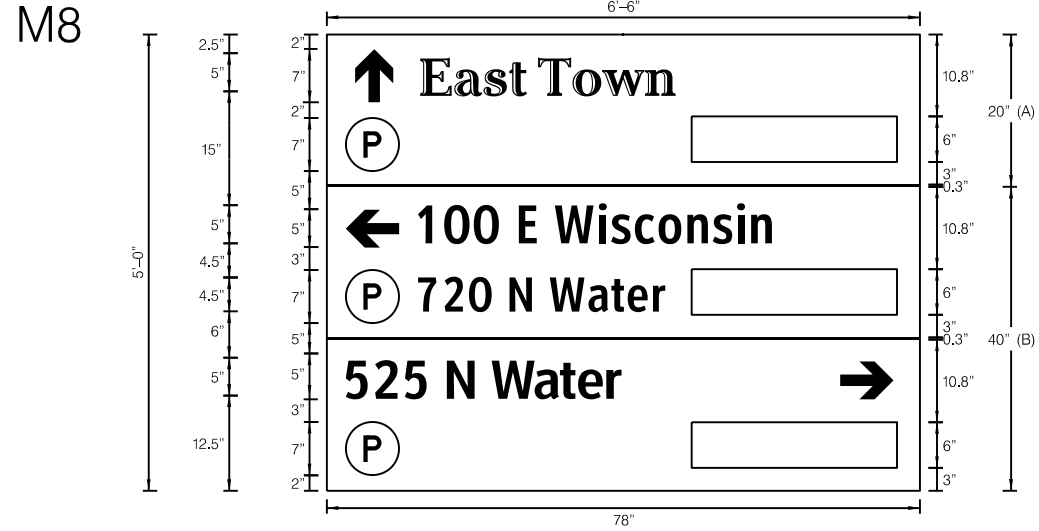
SYMBOL	X	Y	WID	HT
DIRECTIONAL ARROW (STRAIGHT)	3.5	51	5	7
LED MATRIX PANEL CUTOUT	48	43.2	27	6
INTERNATIONAL PARKING SYMBOL	2.5	42	7	7
DIRECTIONAL ARROW (STRAIGHT)	3.5	31	5	7
LED MATRIX PANEL CUTOUT	48	23.1	27	6
INTERNATIONAL PARKING SYMBOL	2.5	22	7	7
DIRECTIONAL ARROW (RIGHT)	68	12	7	5
LED MATRIX PANEL CUTOUT	48	3	27	6
INTERNATIONAL PARKING SYMBOL	2.5	2	7	7

Dimenstions are in: inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																										LENGTH	SERIES/SIZE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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SIGN DETAIL



SIGN NUMBER	M8
WIDTH x HIGHT	6'-6" x 4'-0"
BORDER WIDTH	0"
CORNER RADIUS	0"
MOUNTING	Post
BACKGROUND "A"	TYPE: Painted Aluminum COLOR: Ral3003 Burgundy Red
BACKGROUND "B"	TYPE: Painted Aluminum COLOR: Pantone 145 Orange
BACKGROUND "C"	TYPE: COLOR:
BACKGROUND "D"	TYPE: COLOR:
LEGEND/BORDER	TYPE: Reflective COLOR: Natural White Satin

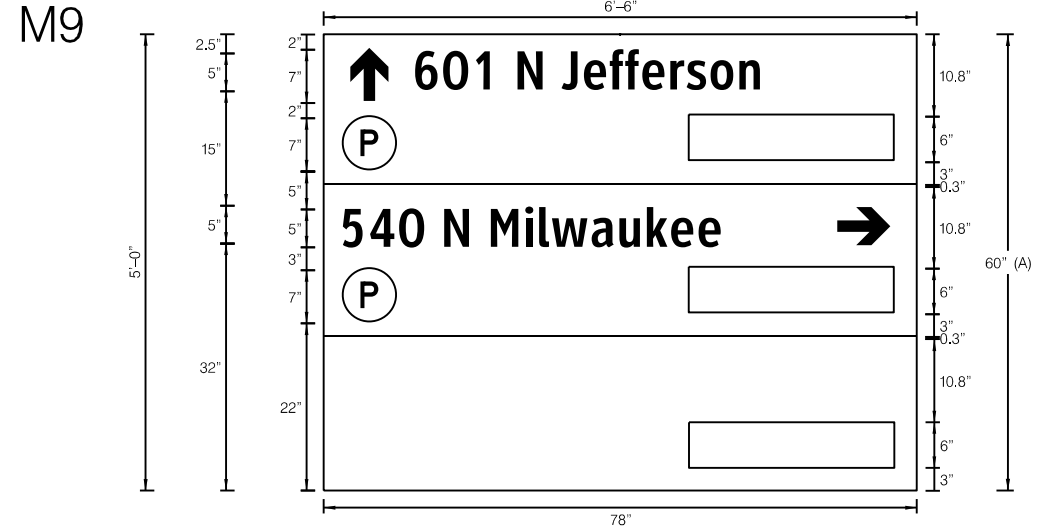
SYMBOL	X	Y	WID	HT
DIRECTIONAL ARROW (STRAIGHT)	3.5	51	5	7
LED MATRIX PANEL CUTOUT	48	43.2	27	6
INTERNATIONAL PARKING SYMBOL	2.5	42	7	7
DIRECTIONAL ARROW (LEFT)	2.5	32	7	5
INTERNATIONAL PARKING SYMBOL	2.5	22	7	7
LED MATRIX PANEL CUTOUT	48	23.1	27	6
DIRECTIONAL ARROW (RIGHT)	68	12	7	5
LED MATRIX PANEL CUTOUT	48	3	27	6
INTERNATIONAL PARKING SYMBOL	2.5	2	7	7

Dimenstions are in: inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																										LENGTH	SERIES/SIZE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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SIGN DETAIL



SIGN NUMBER	M9
WIDTH x HIGHT	6'-6" x 5'-0"
BORDER WIDTH	0"
CORNER RADIUS	0"
MOUNTING	Post
BACKGROUND "A"	TYPE: Painted Aluminum COLOR: Ral3003 Burgundy Red
BACKGROUND "B"	TYPE: COLOR:
BACKGROUND "C"	TYPE: COLOR:
BACKGROUND "D"	TYPE: COLOR:
LEGEND/BORDER	TYPE: Reflective COLOR: Natural White Satin

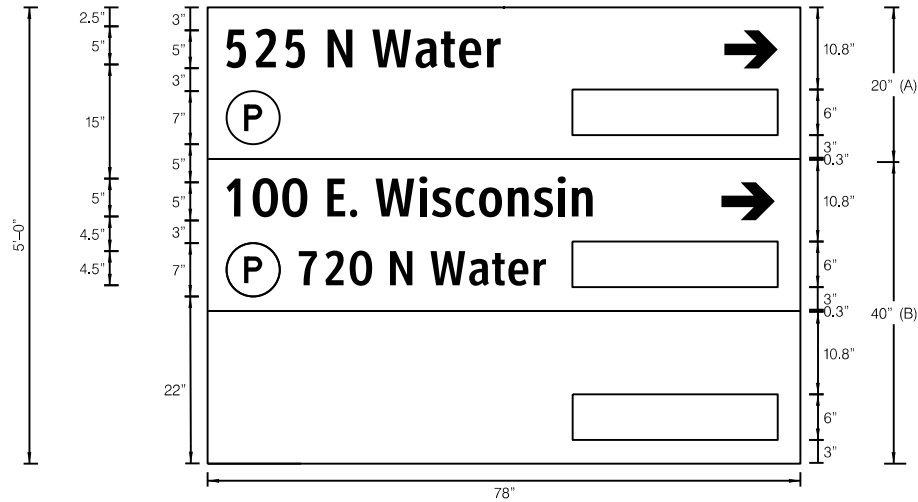
SYMBOL	X	Y	WID	HT
DIRECTIONAL ARROW (STRAIGHT)	3.5	51	5	7
LED MATRIX PANEL CUTOUT	48	43.2	27	6
INTERNATIONAL PARKING SYMBOL	2.5	42	7	7
DIRECTIONAL ARROW (RIGHT)	68	32	7	5
LED MATRIX PANEL CUTOUT	48	23.1	27	6
INTERNATIONAL PARKING SYMBOL	2.5	22	7	7
LED MATRIX PANEL CUTOUT	48	3	27	6

Dimenstions are in:

LETTER POSITIONS (X)																										LENGTH	SERIES/SIZE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
6	0	1		N		J	e	f	f	e	r	s	o	n																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		

M10

6'-6''



Letter locations are panel edge to lower left corner

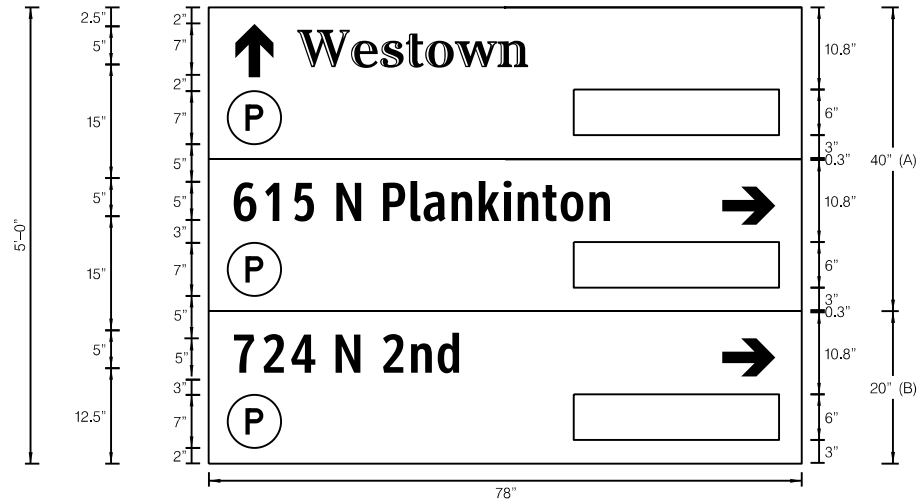
[illegible]

SIGN NUMBER	M10
WIDTH x HGT.	6'-6" x 5'-0"
BORDER WIDTH	0"
CORNER RADIUS	0"
MOUNTING	Post
BACKGROUND "A"	TYPE: Painted Aluminum COLOR: Pantone 145 Orange
BACKGROUND "B"	TYPE: Painted Aluminum COLOR: Pantone 287 Blue
BACKGROUND "C"	TYPE: COLOR:
BACKGROUND "D"	TYPE: COLOR:
LEGEND/BORDER	TYPE: Reflective COLOR: Natural White Satin

[illegible]

M11

6'-6''

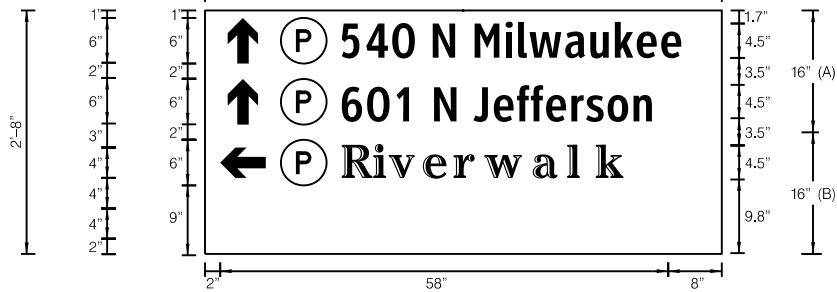
[illegible]

SIGN NUMBER	M1
WIDTH x HGHT.	6'-6" x 5'-0"
BORDER WIDTH	0"
CORNER RADIUS	0"
MOUNTING	
BACKGROUND "A"	TYPE: Painted Aluminum COLOR: Pantone 145 Orange
BACKGROUND "B"	TYPE: Painted Aluminum COLOR: Pantone 287 Blue
BACKGROUND "C"	TYPE: COLOR:
BACKGROUND "D"	TYPE: COLOR:
LEGEND/BORDER	TYPE: Reflective COLOR: Natural White Satin

[illegible]

MK1

5'-8'



Letter locations are panel edge to lower left corner

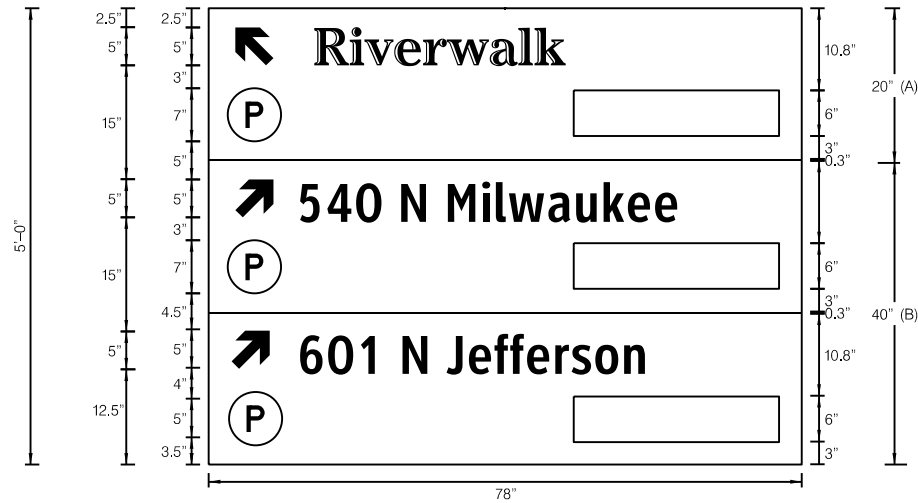
[illegible]

SIGN NUMBER	MK2
WIDTH x HGT.	5'-6" x 2'-6"
BORDER WIDTH	0"
CORNER RADIUS	0"
MOUNTING	Post
BACKGROUND "A"	TYPE: Painted Aluminum COLOR: Ral3003 Burgundy Red
BACKGROUND "B"	TYPE: Painted Aluminum COLOR: Pantone 145 Orange
BACKGROUND "C"	TYPE: COLOR:
BACKGROUND "D"	TYPE: COLOR:
LEGEND/BORDER	TYPE: Reflective COLOR: Natural White Satin

[illegible]

MK2

6^s–6^m



Letter locations are panel edge to lower left corner

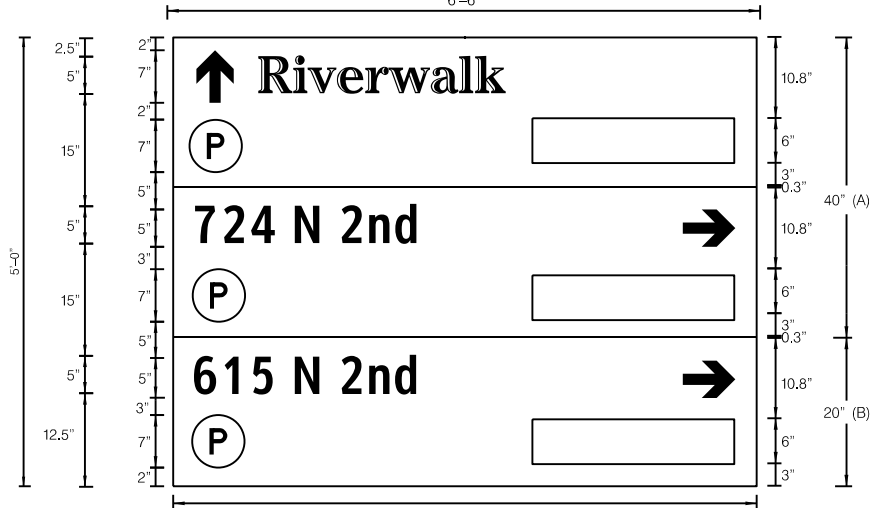
[illegible]

SIGN NUMBER	MM1
WIDTH x HGHT.	6'-6" x 5'-0"
BORDER WIDTH	0"
CORNER RADIUS	0"
MOUNTING	Post
BACKGROUND "A"	TYPE: Painted Aluminum COLOR: Pantone 145 Orange
BACKGROUND "B"	TYPE: Painted Aluminum COLOR: Rail 3003 Burgundy Red
BACKGROUND "C"	TYPE: Painted Aluminum COLOR: Pantone 287 Blue
BACKGROUND "D"	TYPE: COLOR:
LEGEND BORDER	TYPE: Reflective COLOR: Natural White Satin

SYMBOL	X	Y	WID	HT
DIRECTIONAL ARROW (LEFT DIA.)	3.5	52	5	5
LED MATRIX PANEL CUTOUT	48	43.2	27	6
INTERNATIONAL PARKING SYMBOL	12	42	7	7
DIRECTIONAL ARROW (RIGHT DIA.)	3.5	32	5	5
LED MATRIX PANEL CUTOUT	48	23.1	27	6
INTERNATIONAL PARKING SYMBOL	2.5	22	7	7
DIRECTIONAL ARROW (RIGHT DIA.)	3.5	12	5	5
LED MATRIX PANEL CUTOUT	48	3	27	6
INTERNATIONAL PARKING SYMBOL	2.5	2	7	7

K4

6'-6''



SIGN NUMBER	K4
WIDTH x HIGHT	8'-6" x 5'-0"
BORDER WIDTH	0"
CORNER RADIUS	0"
MOUNTING	Post
BACKGROUND "A"	TYPE: Painted Aluminum COLOR: Pantone 145 Orange
BACKGROUND "B"	TYPE: Painted Aluminum COLOR: Pantone 287 Blue
BACKGROUND "C"	TYPE: COLOR:
BACKGROUND "D"	TYPE: COLOR:
LEGEND/BORDER	TYPE: Reflective COLOR: Natural White Satin

[illegible]

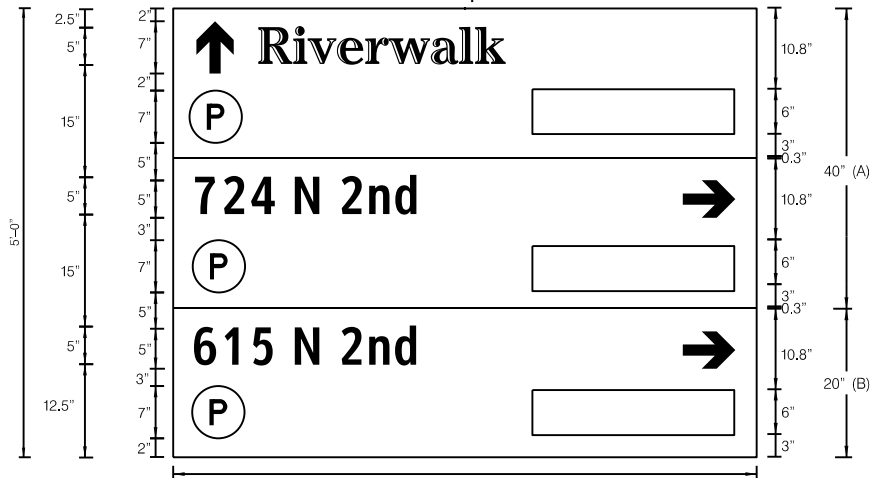
Dimensions are in: Inches tenths

Letter locations are panel edge to lower left corner

[illegible]

WS4

6'-6''



SIGN NUMBER	WS4
WIDTH x HGT.	W=6" x H=0"
BORDER WIDTH	0"
CORNER RADIUS	0"
MOUNTING	Post
BACKGROUND "A"	TYPE: Painted Aluminum COLOR: Pantone 145 Orange
BACKGROUND "B"	TYPE: Painted Aluminum COLOR: Pantone 287 Blue
BACKGROUND "C"	TYPE: COLOR:
BACKGROUND "D"	TYPE: COLOR:
LEGEND/BORDER	TYPE: Reflective COLOR: Natural White Satin

SYMBOL	X	Y	WID	HT
DIRECTIONAL ARROW (STRAIGHT)	3.6	51	5	7
LED MATRIX PANEL CUTOUT	48	43.2	27	6
INTERNATIONAL PARKING SYMBOL	2.5	42	7	7
DIRECTIONAL ARROW (RIGHT)	68	32	7	5
LED MATRIX PANEL CUTOUT	48	23.1	27	6
INTERNATIONAL PARKING SYMBOL	2.5	22	7	7
DIRECTIONAL ARROW (RIGHT)	68	12	7	5
LED MATRIX PANEL CUTOUT	48	3	27	6
INTERNATIONAL PARKING SYMBOL	2.5	2	7	7

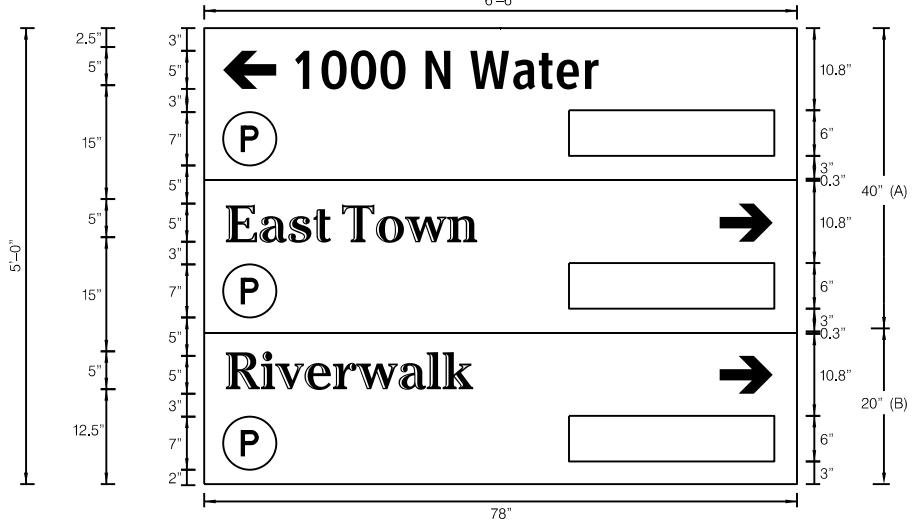
Dimensions are in: inches,tenths

Letter locations are panel edge to lower left corner

[illegible]

K5

6'-6



SIGN NUMBER	K5
WIDTH x HEIGHT	5'-6" x 5'-0"
BORDER WIDTH	0"
CORNER RADIUS	0"
MOUNTING	Post
BACKGROUND "A"	TYPE: Painted Aluminum COLOR: RAL 3003 Burgundy Red
BACKGROUND "B"	TYPE: Painted Aluminum COLOR: Pantone 145 Orange
BACKGROUND "C"	TYPE: COLOR:
BACKGROUND "D"	TYPE: COLOR:
LEGEND/BORDER	TYPE: Reflective COLOR: Natural/White Satin

SYMBOL	X	Y	WID	HT
DIRECTIONAL ARROW (LEFT)	2.5	52	7	5
LED MATRIX PANEL CUTOFF	48	43.2	27	6
INTERNATIONAL PARKING SYMBOL	2.5	42	7	7
DIRECTIONAL ARROW (RIGHT)	68	32	7	5
LED MATRIX PANEL CUTOFF	48	23.1	27	6
INTERNATIONAL PARKING SYMBOL	2.5	22	7	7
DIRECTIONAL ARROW (RIGHT)	68	12	7	5
LED MATRIX PANEL CUTOFF	48	3	27	6
INTERNATIONAL PARKING SYMBOL	2.5	2	7	7

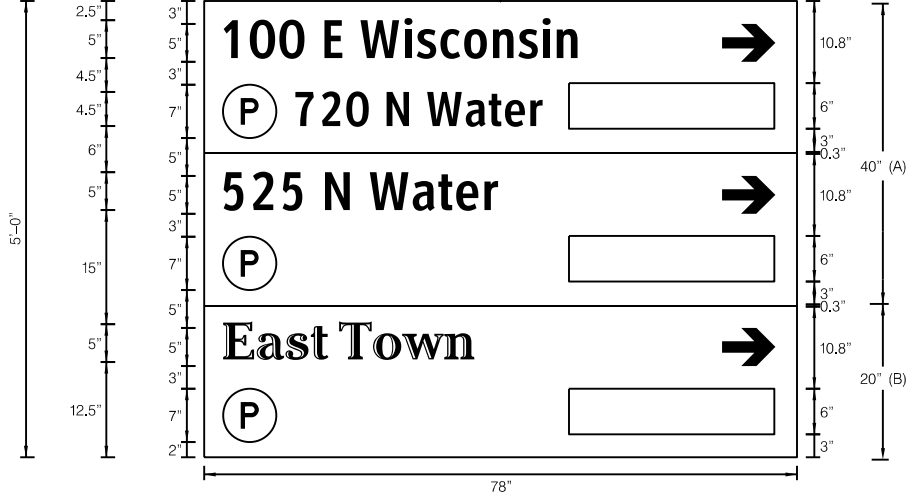
Dimensions are in: Inches.tenths

Letter locations are panel edge to lower left corner

[illegible]

WS5

6'-6



SIGN NUMBER	WSS
WIDTH x HIGHT.	8'-6" x 5'-4"
BORDER WIDTH	0"
CORNER RADIUS	0"
MOUNTING	Post
BACKGROUND "A"	TYPE: Painted Aluminum COLOR: Pantone 145 Orange
BACKGROUND "B"	TYPE: Painted Aluminum COLOR: RAL 3003 Burgundy Red
BACKGROUND "C"	TYPE: COLOR:
BACKGROUND "D"	TYPE: COLOR:
LEGEND/BORDER	TYPE: Reflective COLOR: Natural/White Satin

SYMBOL	X	Y	WD	HT
DIRECTIONAL ARROW (RIGHT)	68	52	7	5
LED MATRIX PANEL CUTOUT	48	43.2	27	6
INTERNATIONAL PARKING SYMBOL	2.5	42	7	7
DIRECTIONAL ARROW (RIGHT)	68	32	7	5
LED MATRIX PANEL CUTOUT	48	23.1	27	6
INTERNATIONAL PARKING SYMBOL	2.5	22	7	7
DIRECTIONAL ARROW (RIGHT)	68	12	7	5
LED MATRIX PANEL CUTOUT	48	3	27	7
INTERNATIONAL PARKING SYMBOL	2.5	2	7	7

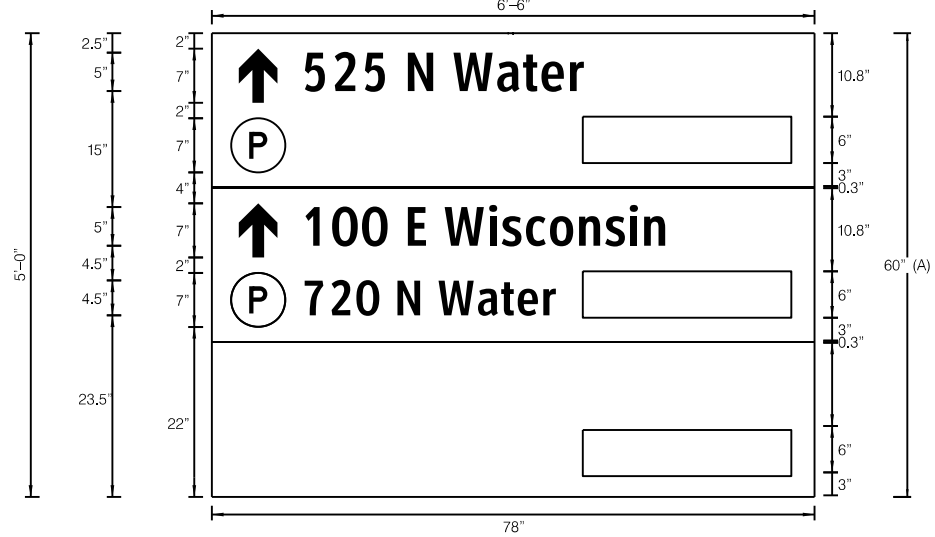
Dimensions are in: Inches tenths

Letter locations are panel edge to lower left corner

[illegible]

W1

6'-6'



SIGN NUMBER	W1
WIDTH x HGT.	6'-6" x 5'-0"
BORDER WIDTH	0"
CORNER RADIUS	0"
MOUNTING	Post
BACKGROUND "A"	TYPE: Painted Aluminum
	COLOR: Pantone 145 Orange
BACKGROUND "B"	TYPE:
	COLOR:
BACKGROUND "C"	TYPE:
	COLOR:
BACKGROUND "D"	TYPE:
	COLOR:
LEGEND/BORDER	TYPE: Reflective
	COLOR: Natural White Satin

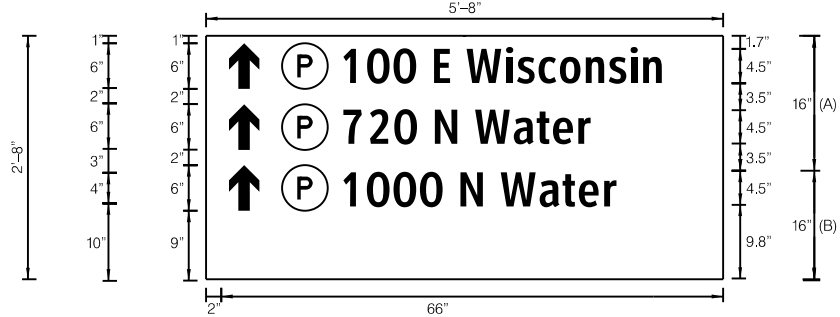
[illegible]

Letter locations are panel edge to lower left corner

[illegible]

W2

5'-8"



SIGN NUMBER	W2
WIDTH x HGHT.	5'-8" x 4'-0"
BORDER WIDTH	0"
CORNER RADIUS	0"
MOUNTING	Post
BACKGROUND "A"	TYPE: Painted Aluminum COLOR: Pantone 145 Orange
BACKGROUND "B"	TYPE: Painted Aluminum COLOR: RAL 3003 Burgundy Red
BACKGROUND "C"	TYPE: COLOR:
BACKGROUND "D"	TYPE: COLOR:
LEGEND/BORDER	TYPE: Reflective COLOR: Natural/White Satin

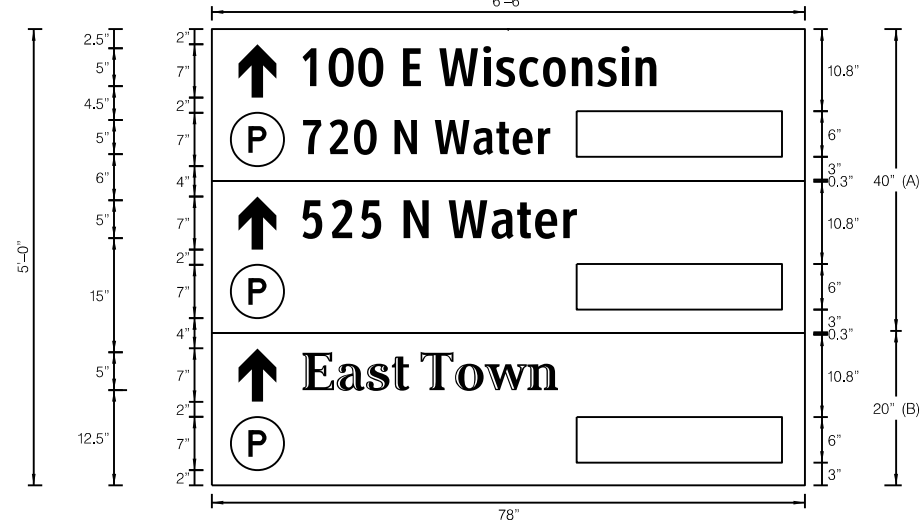
[illegible]

Letter locations are panel edge to lower left corner

[illegible]

W3

6'-6"



SIGN NUMBER	W3
WIDTH x HGHT.	6'-6" x 5'-0"
BORDER WIDTH	0"
CORNER RADIUS	0"
MOUNTING	Post
BACKGROUND "A"	TYPE: Painted Aluminum COLOR: Pantone 145 Orange
BACKGROUND "B"	TYPE: Painted Aluminum COLOR: RAL 3003 Burgundy Red
BACKGROUND "C"	TYPE: COLOR:
BACKGROUND "D"	TYPE: COLOR:
LEGEND/BORDER	TYPE: Reflective COLOR: Natural White Satin

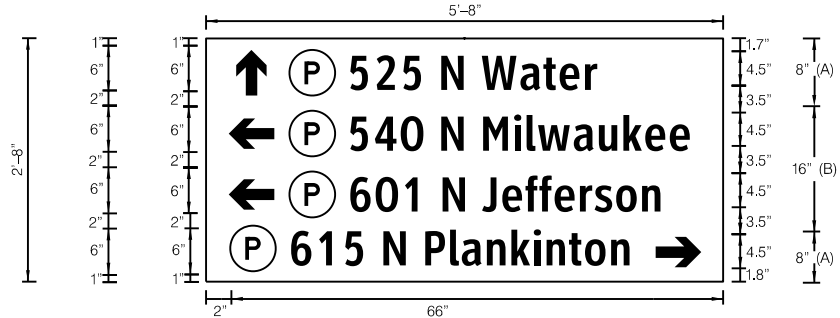
[illegible]

Letter locations are panel edge to lower left corner

[illegible]

W4

5'-8"



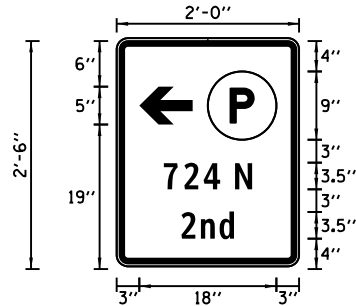
SIGN NUMBER	W4
WIDTH x HGHT.	5'-8" x 4'-0"
BORDER WIDTH	0"
CORNER RADIUS	0"
MOUNTING	Post
BACKGROUND "A"	TYPE: Painted Aluminum COLOR: Pantone 145 Orange
BACKGROUND "B"	TYPE: Painted Aluminum COLOR: RAL 3003 Burgundy Red
BACKGROUND "C"	TYPE: COLOR:
BACKGROUND "D"	TYPE: COLOR:
LEGEND/BORDER	TYPE: Reflective COLOR: Natural White Satin

[illegible]

Letter locations are panel edge to lower left corner

[illegible]

F1



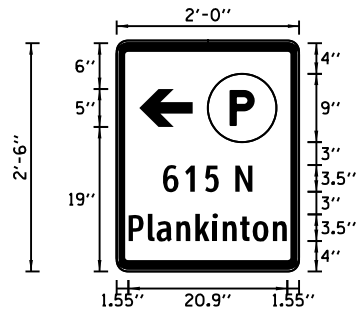
SIGN NUMBER	F1
WIDTH x HGT.	2'-0" x 2'-6"
BORDER WIDTH	0.63"
CORNER RADIUS	1.13"
MOUNTING	Post
BACKGROUND "A"	TYPE: Reflective COLOR: Pantone 145 Orange
BACKGROUND "B"	TYPE: COLOR:
BACKGROUND "C"	TYPE: COLOR:
BACKGROUND "D"	TYPE: COLOR:
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

[illegible]

Letter locations are panel edge to lower left corner

[illegible]

F3



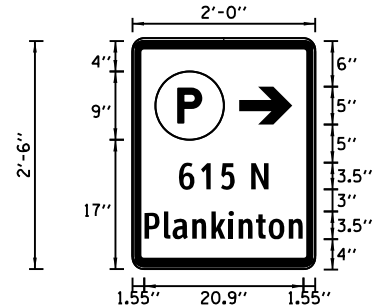
SIGN NUMBER	F3
WIDTH x HGHT.	2'-0" x 2'-6"
BORDER WIDTH	0.63"
CORNER RADIUS	1.13"
MOUNTING	Post
BACKGROUND "A"	TYPE: Reflective
	COLOR: Pantone 145 Orange
BACKGROUND "B"	TYPE:
	COLOR:
BACKGROUND "C"	TYPE:
	COLOR:
BACKGROUND "D"	TYPE:
	COLOR:
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White

[illegible]

Letter locations are panel edge to lower left corner

[illegible]

F2



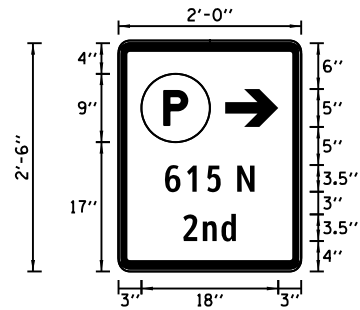
SIGN NUMBER	F3
WIDTH x HEIGHT	2'-0" x 2'-6"
BORDER WIDTH	0.63"
CORNER RADIUS	1.13"
MOUNTING	Post
BACKGROUND "A"	TYPE: Reflective COLOR: Pantone 145 Orange
BACKGROUND "B"	TYPE: COLOR:
BACKGROUND "C"	TYPE: COLOR:
BACKGROUND "D"	TYPE: COLOR:
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

[illegible]

Letter locations are panel edge to lower left corner

[illegible]

F4



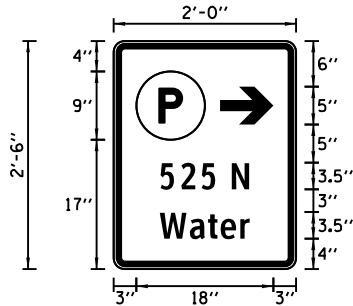
SIGN NUMBER	F2
WIDTH x HEIGHT	2'-0" x 2'-6"
BORDER WIDTH	0.63"
CORNER RADIUS	1.13"
MOUNTING	Post
BACKGROUND "A"	TYPE: Reflective COLOR: Pantone 287 Blue
BACKGROUND "B"	TYPE: COLOR:
BACKGROUND "C"	TYPE: COLOR:
BACKGROUND "D"	TYPE: COLOR:
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

[illegible]

Letter locations are panel edge to lower left corner

[illegible]

F5



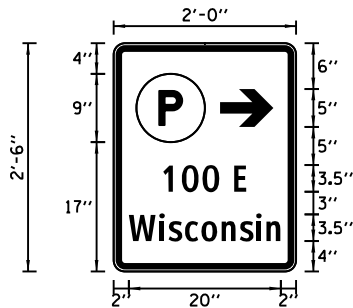
SIGN NUMBER	F7
WIDTH x HIGHT	2'-0" x 2'-6"
BORDER WIDTH	0.63"
CORNER RADIUS	1.13"
MOUNTING	Post
BACKGROUND "A"	TYPE: Reflective
	COLOR: Pantone 145 Orange
BACKGROUND "B"	TYPE:
	COLOR:
BACKGROUND "C"	TYPE:
	COLOR:
BACKGROUND "D"	TYPE:
	COLOR:
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White

[illegible]

Letter locations are panel edge to lower left corner

[illegible]

F7



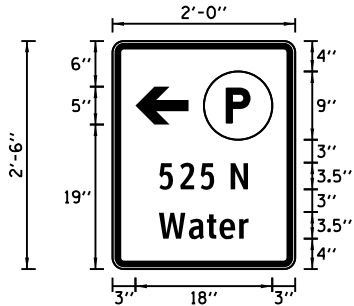
SIGN NUMBER	F9
WIDTH x HGT.	2'-0" x 2'-6"
BORDER WIDTH	0.63"
CORNER RADIUS	1.13"
MOUNTING	Post
BACKGROUND "A"	TYPE: Reflective COLOR: Pantone 145 Orange
BACKGROUND "B"	TYPE: COLOR:
BACKGROUND "C"	TYPE: COLOR:
BACKGROUND "D"	TYPE: COLOR:
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

[illegible]

Letter locations are panel edge to lower left corner

[illegible]

F6



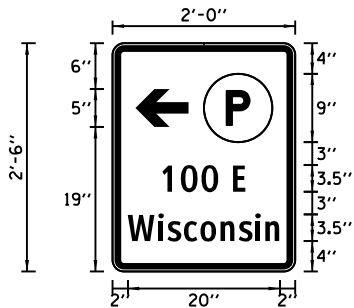
SIGN NUMBER	F6
WIDTH x HIGHT	2'-0" x 2'-6"
BORDER WIDTH	0.63"
CORNER RADIUS	1.3"
MOUNTING	Post
BACKGROUND "A"	TYPE: Reflective COLOR: Pantone 145 Orange
BACKGROUND "B"	TYPE: COLOR:
BACKGROUND "C"	TYPE: COLOR:
BACKGROUND "D"	TYPE: COLOR:
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

[illegible]

Letter locations are panel edge to lower left corner

[illegible]

F8



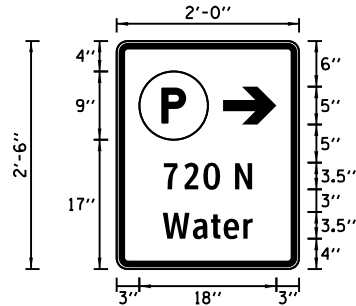
SIGN NUMBER	F8
WIDTH x HIGHT	2'-0" x 2'-6"
BORDER WIDTH	0.63"
CORNER RADIUS	1.13"
MOUNTING	Post
BACKGROUND "A"	TYPE: Reflective COLOR: Pantone 145 Orange
BACKGROUND "B"	TYPE: COLOR:
BACKGROUND "C"	TYPE: COLOR:
BACKGROUND "D"	TYPE: COLOR:
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

[illegible]

Letter locations are panel edge to lower left corner

[illegible]

F9



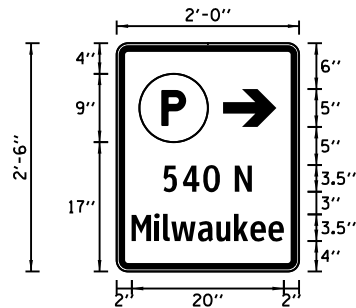
SIGN NUMBER	F11
WIDTH x HIGHT.	2'-0" x 2'-6"
BORDER WIDTH	0.63"
CORNER RADIUS	1.13"
MOUNTING	Post
BACKGROUND "A"	TYPE: Reflective COLOR: Pantone 145 Orange
BACKGROUND "B"	TYPE: COLOR:
BACKGROUND "C"	TYPE: COLOR:
BACKGROUND "D"	TYPE: COLOR:
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

[illegible]

Letter locations are panel edge to lower left corner

[illegible]

F11



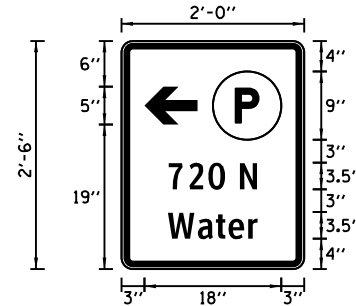
SGN NUMBER	F13
WIDTH x HEIGHT	2'-0" x 2'-6"
BORDER WIDTH	0.63"
CORNER RADIUS	1.13"
MOUNTING	Post
BACKGROUND "A"	TYPE: Reflective COLOR: 3003 RAL Burgundy Red
BACKGROUND "B"	TYPE: COLOR:
BACKGROUND "C"	TYPE: COLOR:
BACKGROUND "D"	TYPE: COLOR:
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

[illegible]

Letter locations are panel edge to lower left corner

[illegible]

F10



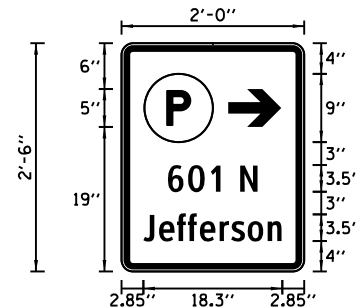
SIGN NUMBER	F10
WIDTH x HGT.	2'-0" x 2'-6"
BORDER WIDTH	0.63"
CORNER RADIUS	1.13"
MOUNTING	Post
BACKGROUND "A"	TYPE: Reflective COLOR: Pantone 145 Orange
BACKGROUND "B"	TYPE: COLOR:
BACKGROUND "C"	TYPE: COLOR:
BACKGROUND "D"	TYPE: COLOR:
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

[illegible]

Letter locations are panel edge to lower left corner

[illegible]

F12



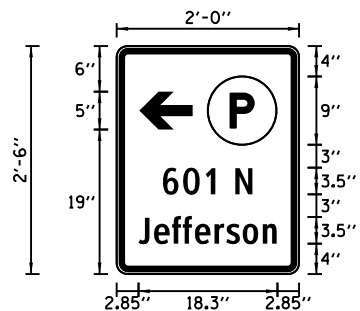
SIGN NUMBER	F14
WIDTH x HEIGHT	2'-0" x 2'-6"
BORDER WIDTH	0.63"
CORNER RADIUS	1.13"
MOUNTING	Post
BACKGROUND "A"	TYPE: Reflective COLOR: 3003 RAL Burgundy Red
BACKGROUND "B"	TYPE: COLOR:
BACKGROUND "C"	TYPE: COLOR:
BACKGROUND "D"	TYPE: COLOR:
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

[illegible]

Letter locations are panel edge to lower left corner

[illegible]

F13



SIGN NUMBER	F14
WIDTH x HIGHT	2'-0" x 2'-6"
BORDER WIDTH	0.63"
CORNER RADIUS	1.13"
MOUNTING	Post
BACKGROUND "A"	TYPE: Reflective COLOR: RAL 3003 Burgundy Red
BACKGROUND "B"	TYPE: COLOR:
BACKGROUND "C"	TYPE: COLOR:
BACKGROUND "D"	TYPE: COLOR:
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

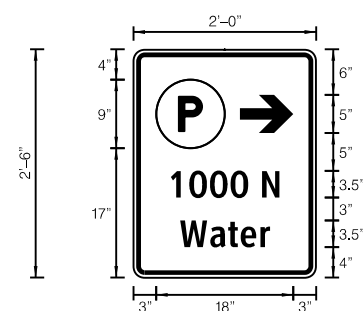
[illegible]

Dimensions are in: Inches,tenths

[illegible]

Letter locations are panel edge to lower left corner

F14



SIGN NUMBER	F
WIDTH x HIGHT	2'-0" x 2'-6"
BORDER WIDTH	0"
CORNER RADIUS	0"
MOUNTING	Post
BACKGROUND "A"	TYPE: Reflective COLOR: Pantone 201 Red
BACKGROUND "B"	TYPE: COLOR:
BACKGROUND "C"	TYPE: COLOR:
BACKGROUND "D"	TYPE: COLOR:
LEGEND/BORDER	TYPE: Reflective COLOR: Natural White Satin

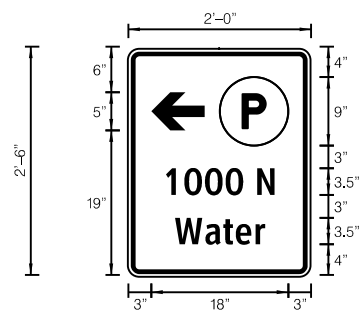
[illegible]

Dimensions are in: inches tenths

[illegible]

Letter locations are panel edge to lower left corner

F15



SIGN NUMBER	F
WIDTH x HIGHT.	2'-0" x 2'-6"
BORDER WIDTH	0"
CORNER RADIUS	0"
MOUNTING	Post
BACKGROUND "A"	TYPE: Reflective COLOR: RAL 3003 Burgundy Red
BACKGROUND "B"	TYPE: COLOR:
BACKGROUND "C"	TYPE: COLOR:
BACKGROUND "D"	TYPE: COLOR:
LEGEND/BORDER	TYPE: Reflective COLOR: Natural White Sath

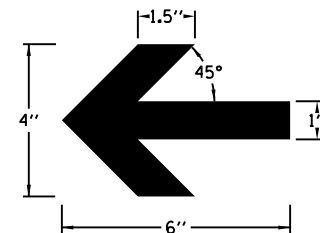
[illegible]

Dimensions are in: Inches tenths

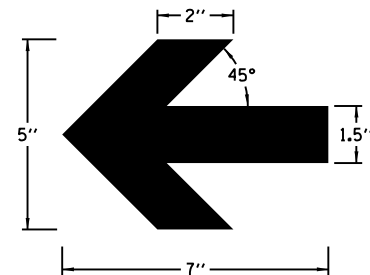
[illegible]

Letter locations are panel edge to lower left corner

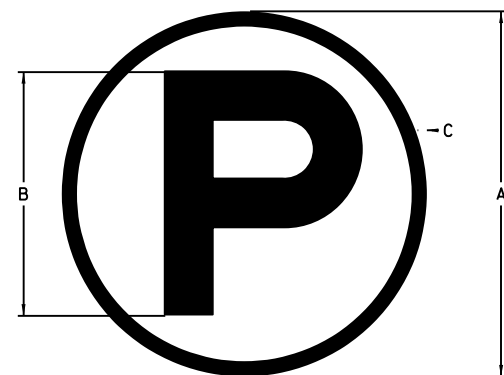
INTERNATIONAL PARKING SYMBOL DETAIL



4" x 6" DIRECTIONAL ARROW



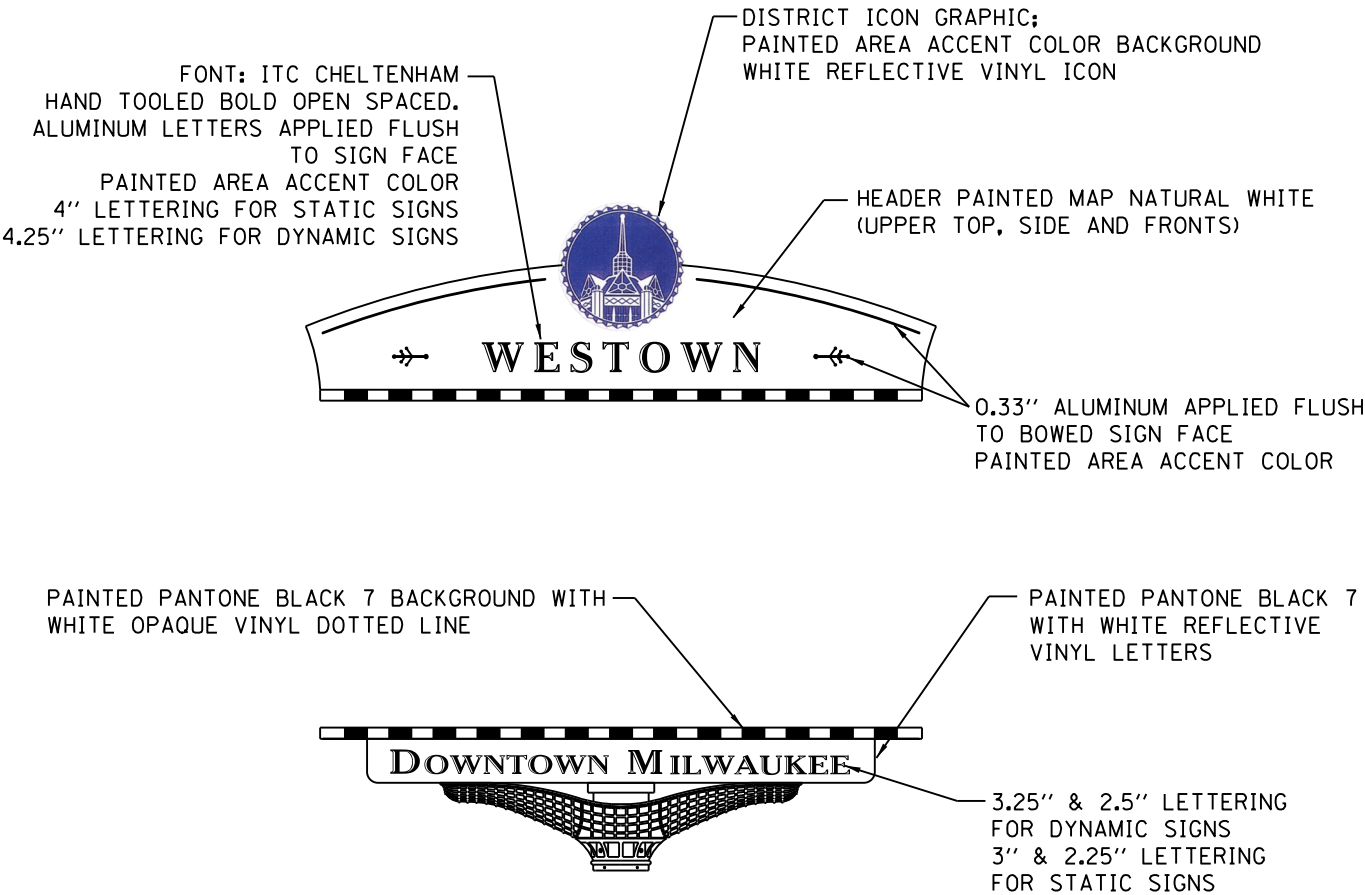
5" x 7" DIRECTIONAL ARROW



BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White
LETTER SERIES	EM

A	B	C
6"	4"	0.5"
7"	4.75"	0.5"
9"	6"	0.75"

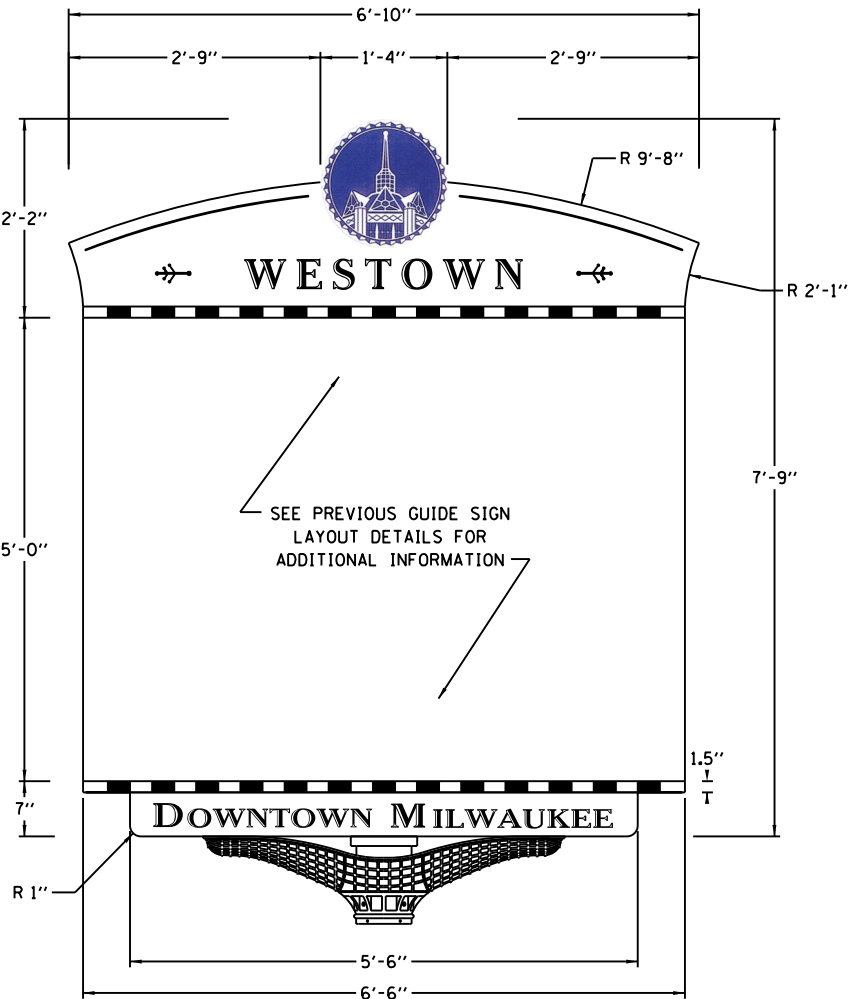
DIRECTIONAL SIGN CROWN AND FOOTER



STATIC SIGN



DYNAMIC SIGN



COLOR STANDARDS

THE CONTRACTOR IS RESPONSIBLE FOR MATCHING ALL COLORS TO THE COLOR SPECIFICATIONS LISTED BELOW. ACTUAL PANTONE (COATED) CHIPS CORRESPONDING TO THE NUMBERS BELOW SHOULD BE USED TO REQUEST CUSTOM MATCH PAINTS. ACTUAL COLOR FINISHED ON SIGNAGE ARE TO BE MATTE OR LOW LUSTER (NOT SHINY OR GLOSSY) AND EXCLUSIVELY A PREMIUM ACRYLIC POLY URETHANE.

PANTONE BLACK 7
MAP BRUSHED ALUMINUM
MAP NATURAL WHITE SATIN
ENGINEER GRADE WHITE VINYL (7 YR)
OPAQUE WHITE VINYL (7 YR)

Area Accent Colors

WESTOWN: PANTONE 287 BLUE
RIVERWALK: PANTONE 145 ORANGE
EAST TOWN: RAL 3003 BURGUNDY RED
THIRD WARD: PANTONE 555 GREEN
LAKEFRONT: PANTONE 307 CYAN

FONT STANDARDS

FONT SUBSTITUTIONS ARE NOT ACCEPTABLE.
THE CONTRACTOR SHALL PURCHASE ALL FONTS AS SPECIFIED

FONT: CLEARVIEWONE MEDIUM COMPRESSED
FUNCTION: PARKING FACILITY INFORMATION
AVAILABLE FROM: TERMINAL DESIGN, 718-246-7069, TYPE@TERMINALDESIGN.COM

Aa Bb Cc Dd Ee Ff Gg Hh Ii Jj
Kk Ll Mm Nn Oo Pp Qq Rr Ss
Tt Uu Vv Ww Xx Yy Zz
0123456789

FONT: ITC CHELTENHAM HANDTOOLED BOLD
FUNCTION: DISTRICT INFORMATION
AVAILABLE FROM: ITC, INTERNATIONAL TYPEFACE CORP.,
866-823-5828, WWW.ITCFONTS.COM

Aa Bb Cc Dd Ee Ff Gg Hh Ii Jj
Kk Ll Mm Nn Oo Pp Qq Rr Ss
Tt Uu Vv Ww Xx Yy Zz
0123456789

DISTRICT ICONS

DISTRICT ICONS WILL BE PLACED IN THE CROWN OF EACH DIRECTIONAL SIGN CORRESPONDING WITH THE DISTRICT WHERE THE SIGN IS LOCATED. THE CITY WILL PROVIDE THE CONTRACTOR WITH THE ICONS IN ELECTRONIC FORMAT (EPS, AI OR PDF FORMAT)



WESTOWN



RIVERWALK



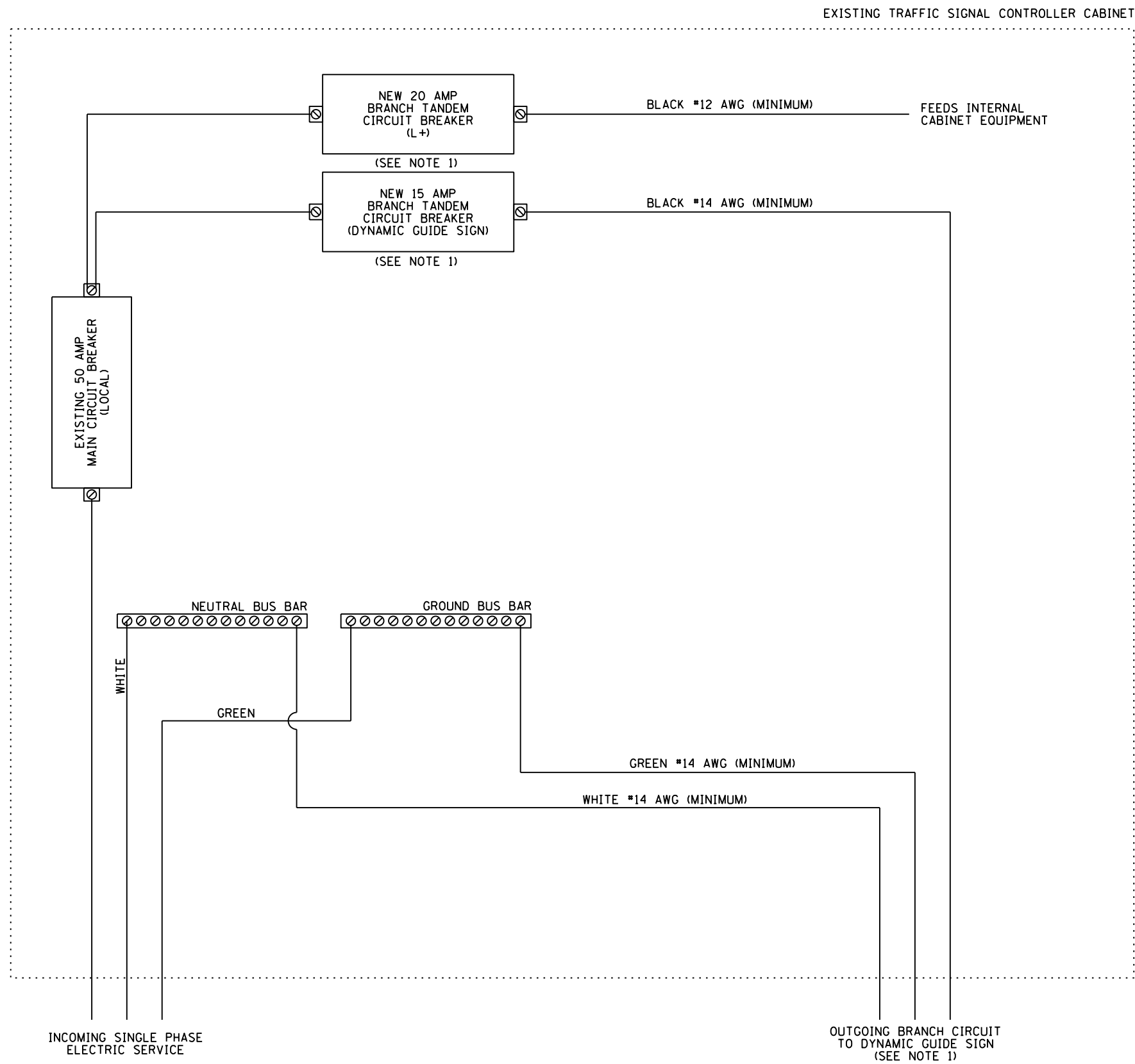
EAST TOWN



THIRD WARD



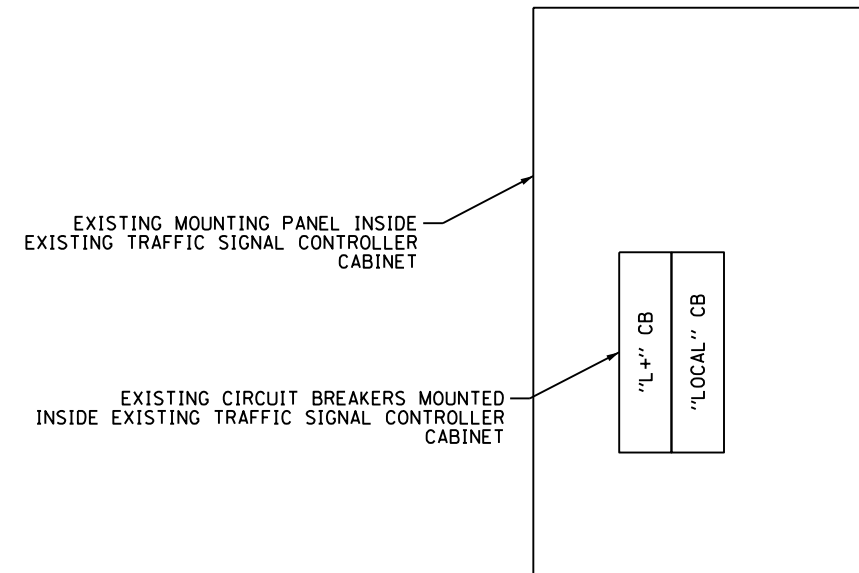
LAKEFRONT



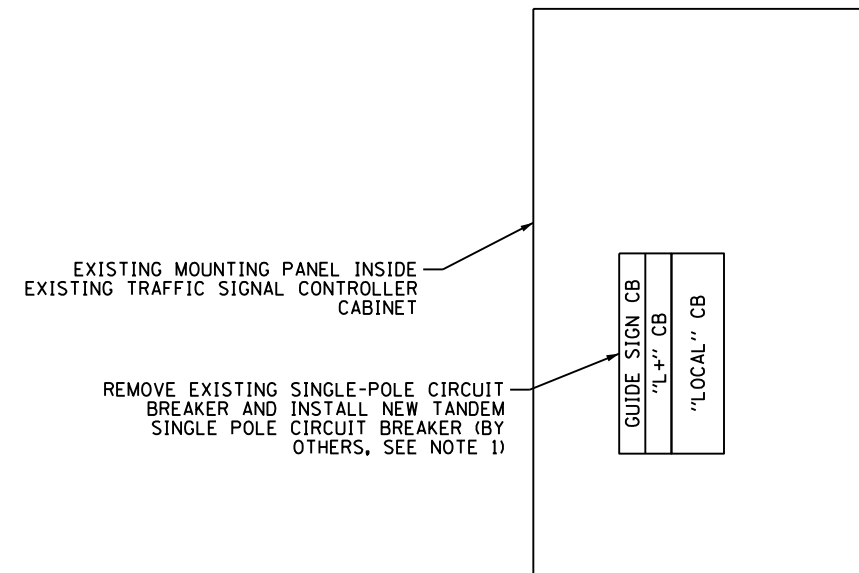
WIRING DIAGRAM
NOT TO SCALE

FOR INFORMATION ONLY

SEE NOTE 1



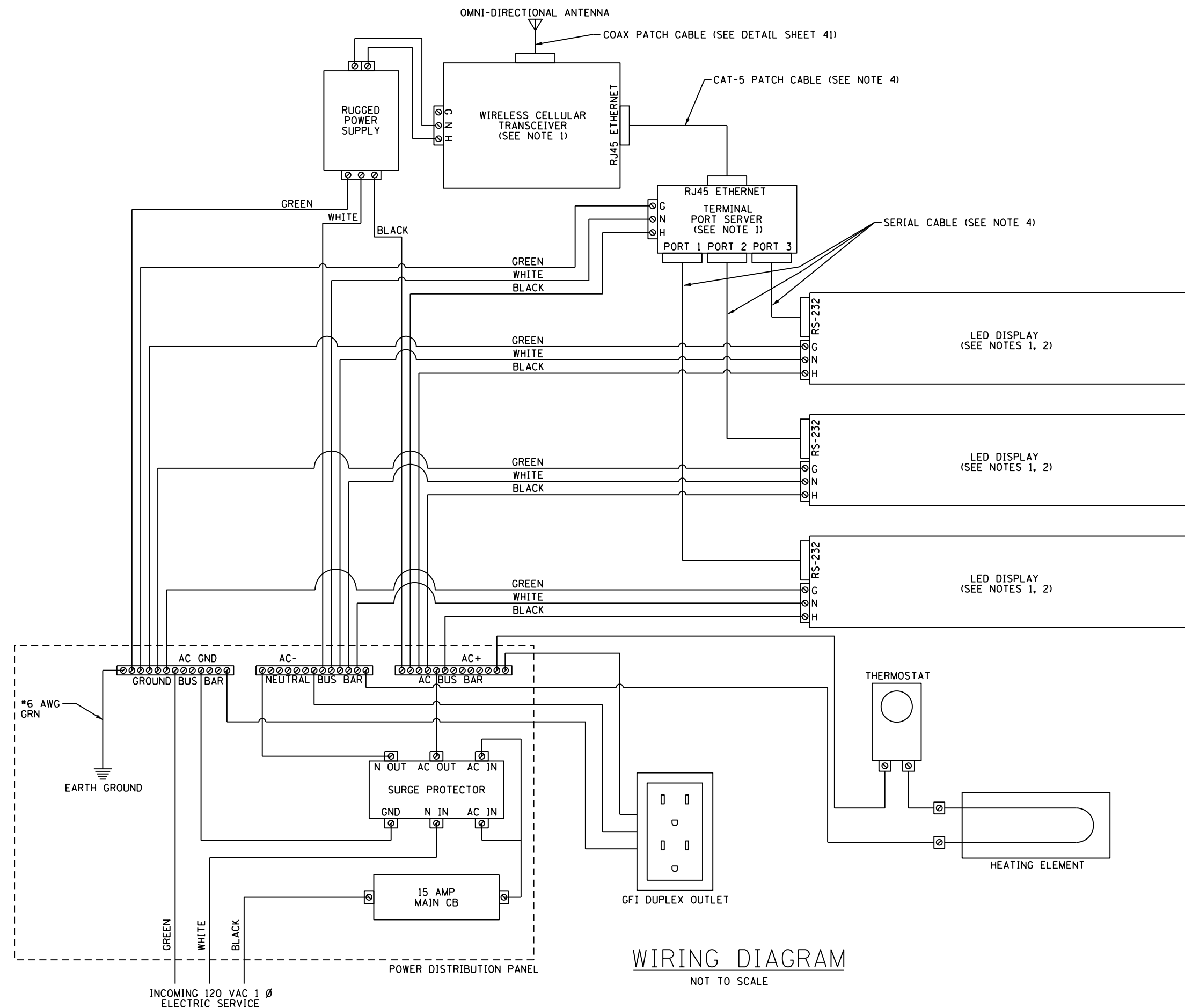
EXISTING CABINET LOAD CENTER
NOT TO SCALE



PROPOSED CABINET LOAD CENTER
NOT TO SCALE

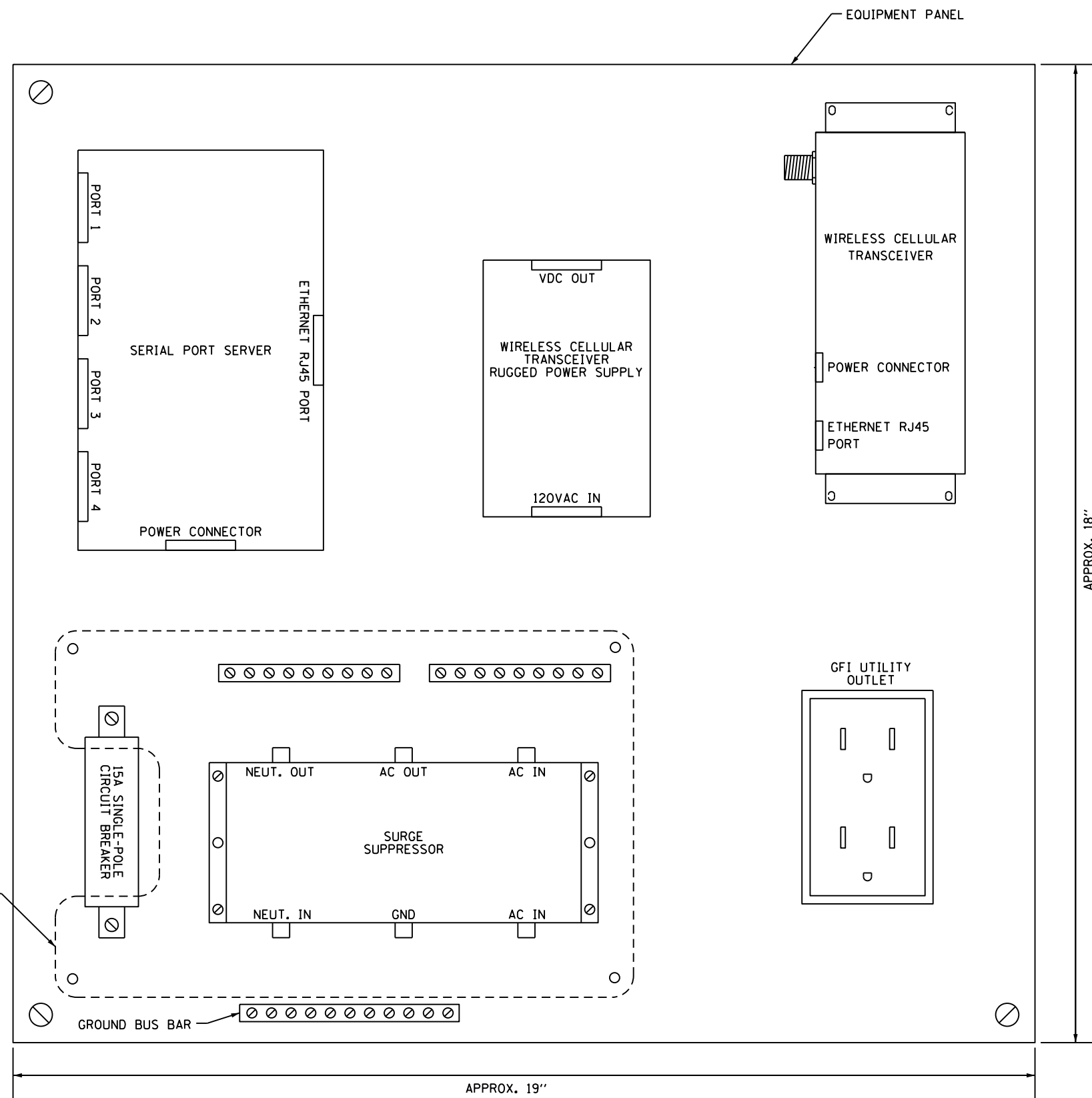
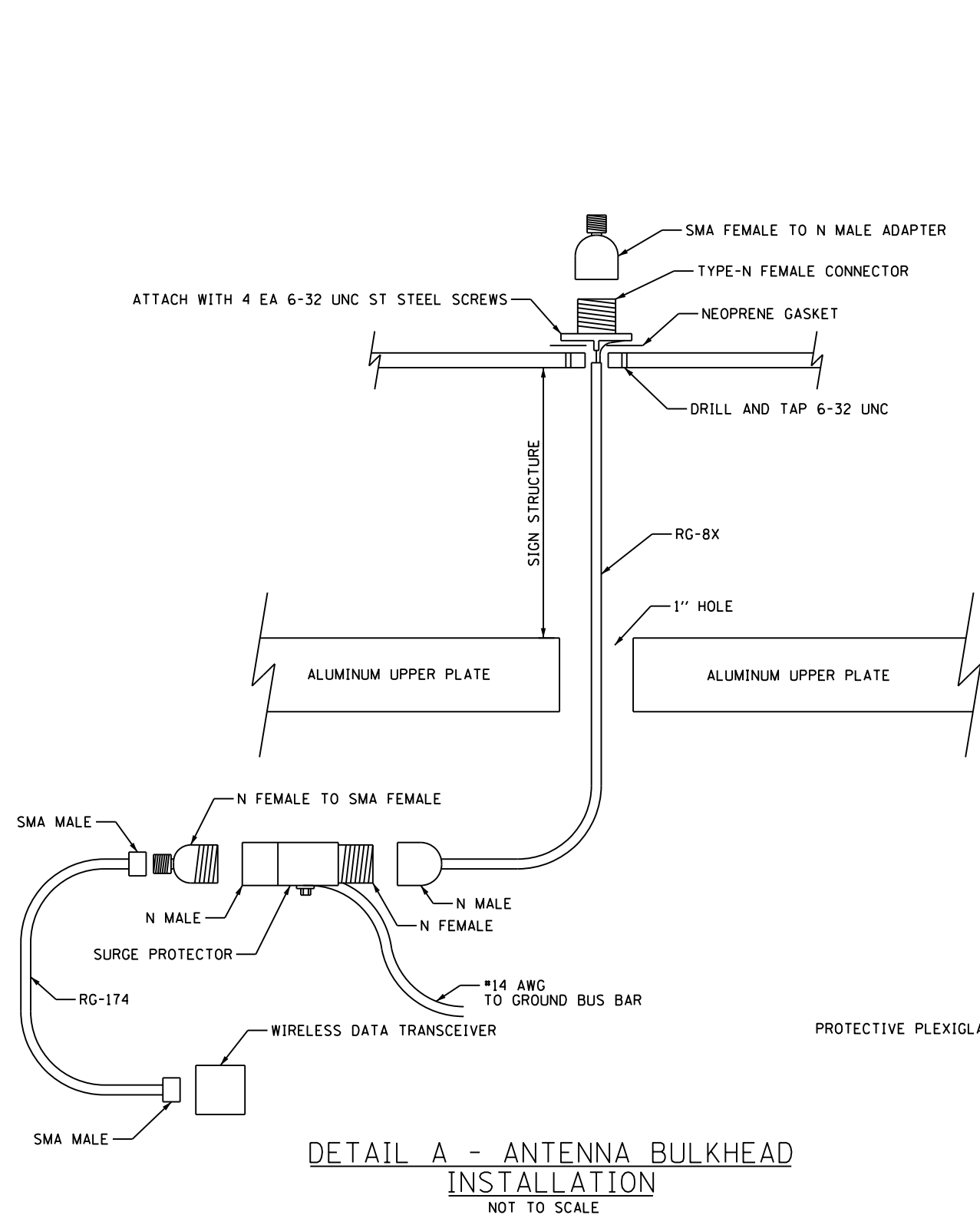
NOTES:

1) ALL WORK SHOWN ON THIS SHEET TO BE PERFORMED BY CITY STAFF. CONTRACTOR TO COIL POWER CABLE IN FIBERGLASS VAULT AND FURNISH TANDEM CIRCUIT BREAKER.



NOTES:

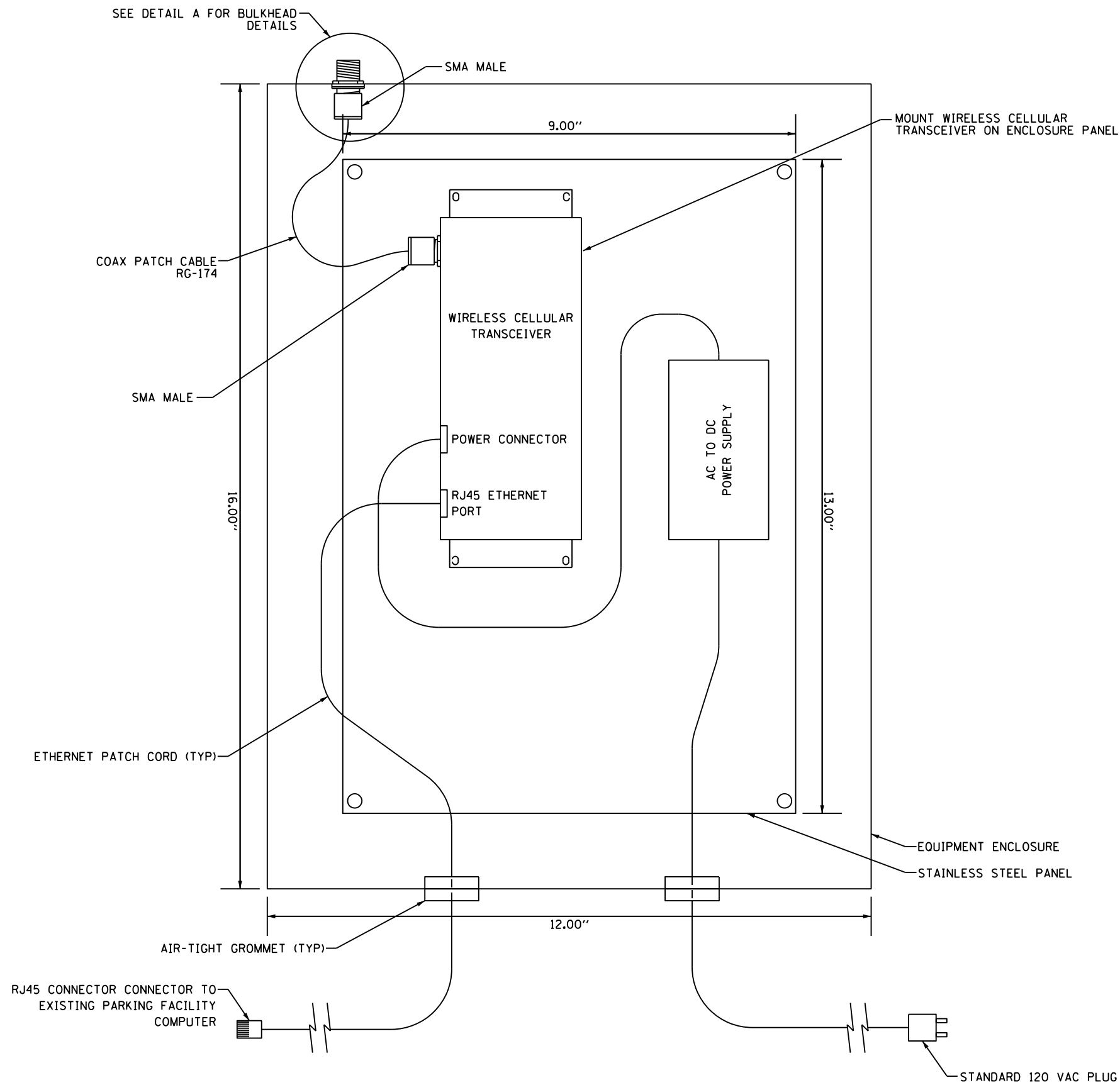
- 1) THE NUMBER AND CONFIGURATION OF LED DISPLAYS AT EACH LOCATION IS BASED ON THE NUMBER OF DISPLAY PANELS SPECIFIED AND THE SIGN LAYOUT AS SHOWN ON THE GUIDE SIGN LAYOUT SHEETS.
- 2) A TRANSFORMER TO CONVERT FROM AC TO DC POWER MAY BE USED IF REQUIRED BY THE EQUIPMENT.
- 3) ALL POWER CONDUCTORS SHALL BE #14 AWG UNLESS OTHERWISE NOTED.
- 4) IF REQUIRED, CONTRACTOR SHALL PROVIDE A NULL MODEM/CROSS-OVER CABLE.
- 5) WIRING SHALL BE ADAPTED FOR EQUIPMENT BEING SUPPLIED. ALL WIRES, CABLES, AND CONDUCTORS ARE INCIDENTAL TO THE EQUIPMENT INSTALLATION UNDER DYNAMIC GUIDE SIGN ITEM.



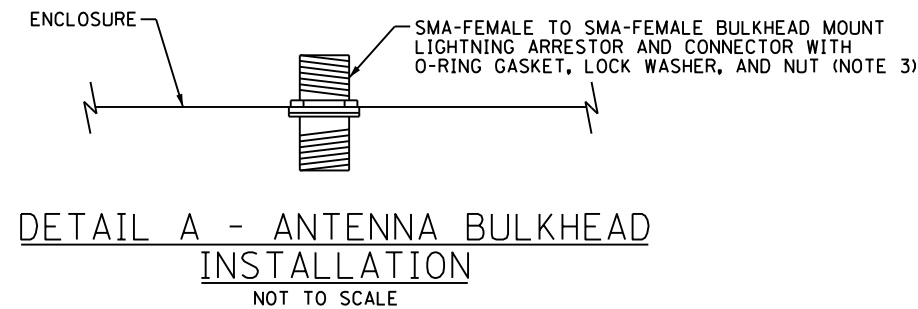
NOTES:

- 1) EQUIPMENT LAYOUT IS BASED ON ANTICIPATED MODELS. CONTRACTOR SHALL SELECT EQUIPMENT AND MODIFY LAYOUT TO UTILIZE AVAILABLE SPACE.
- 2) WIRES, CABLES, AND CONDUCTORS ARE INCIDENTAL TO THE INSTALLATION OF THE PRIMARY COMPONENTS.

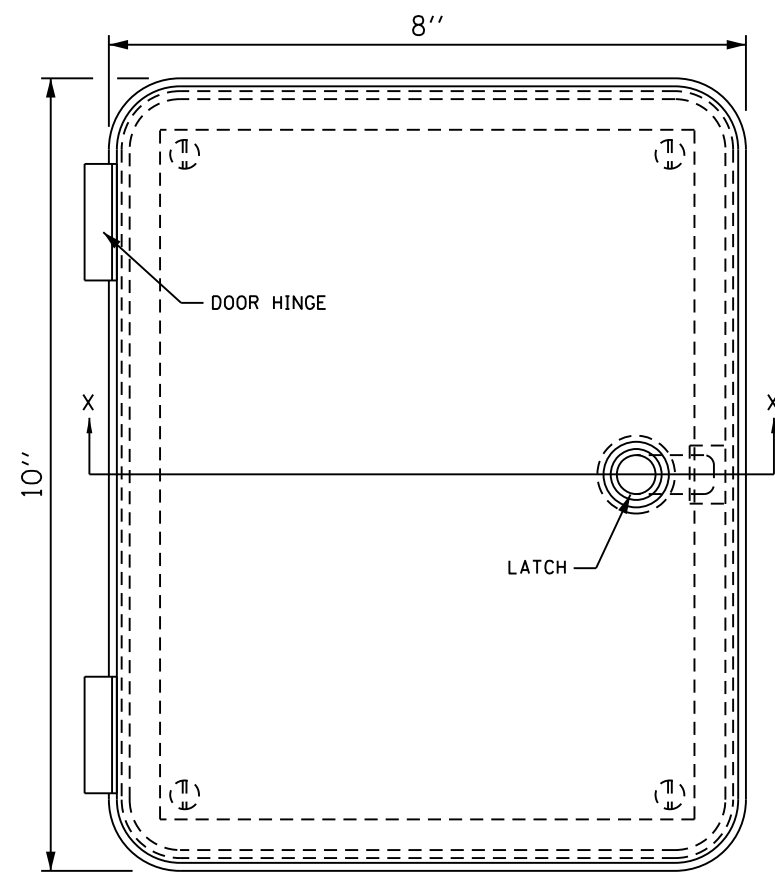
DYNAMIC GUIDE SIGN EQUIPMENT LAYOUT
NOT TO SCALE



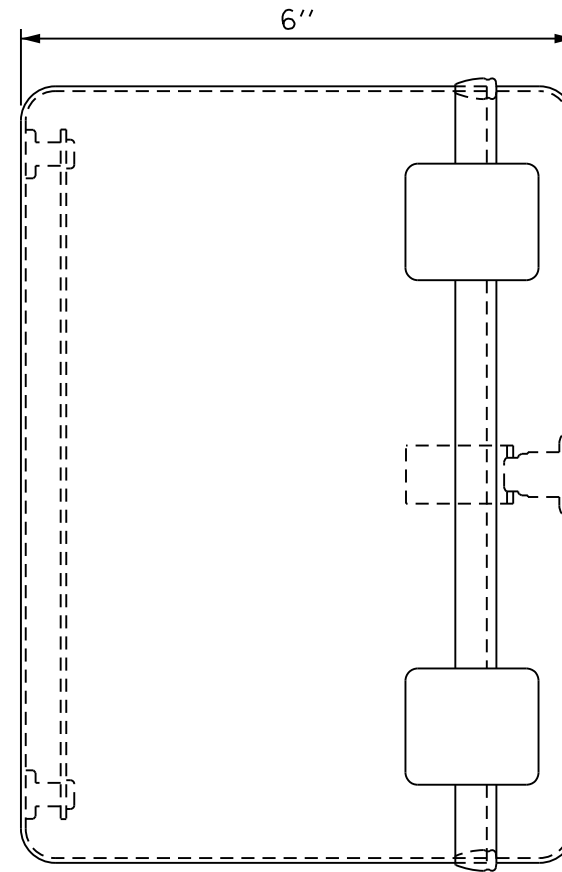
COMMUNICATION EQUIPMENT ENCLOSURE,
INDOOR, LAYOUT
NOT TO SCALE



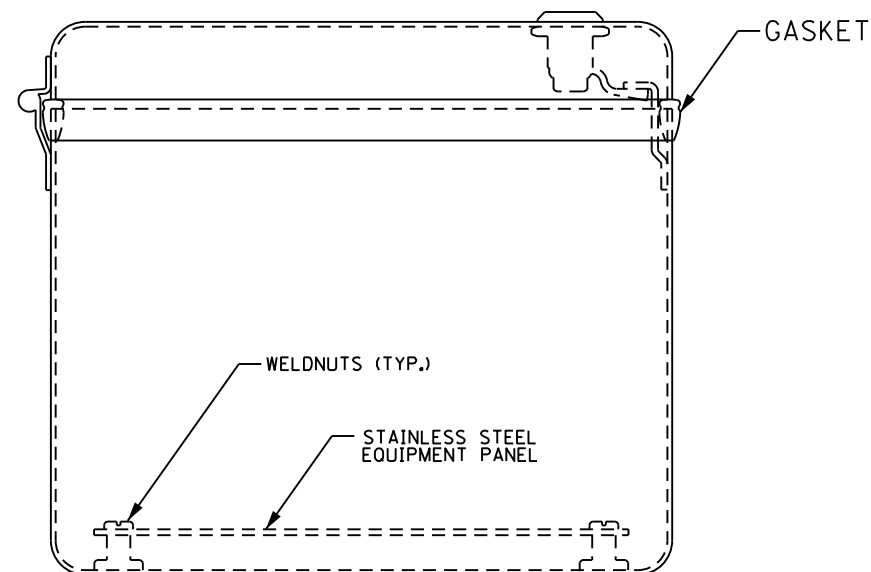
- NOTES:
- 1)EQUIPMENT ENCLOSURE, INDOOR AND EQUIPMENT ENCLOSURE, OUTDOOR ARE MOUNTED WITHIN EXISTING PARKING FACILITY STRUCTURE.
 - 2)CONTRACTOR TO DRILL HOLE IN ENCLOSURE AND PROVIDE NECESSARY CONDUIT FITTINGS OR AIR-TIGHT GROMMET AS INDICATED IN THE SITE PLANS OR DIRECTED BY THE ENGINEER.
 - 3)CONNECT OMNI-DIRECTIONAL ANTENNA TO SMA BULKHEAD CONNECTOR. MAKE CERTAIN THAT THE THREADS OF BOTH THE ANTENNA AND THE CONNECTOR MATCH BEFORE ASSEMBLING.



FRONT VIEW



SIDE VIEW

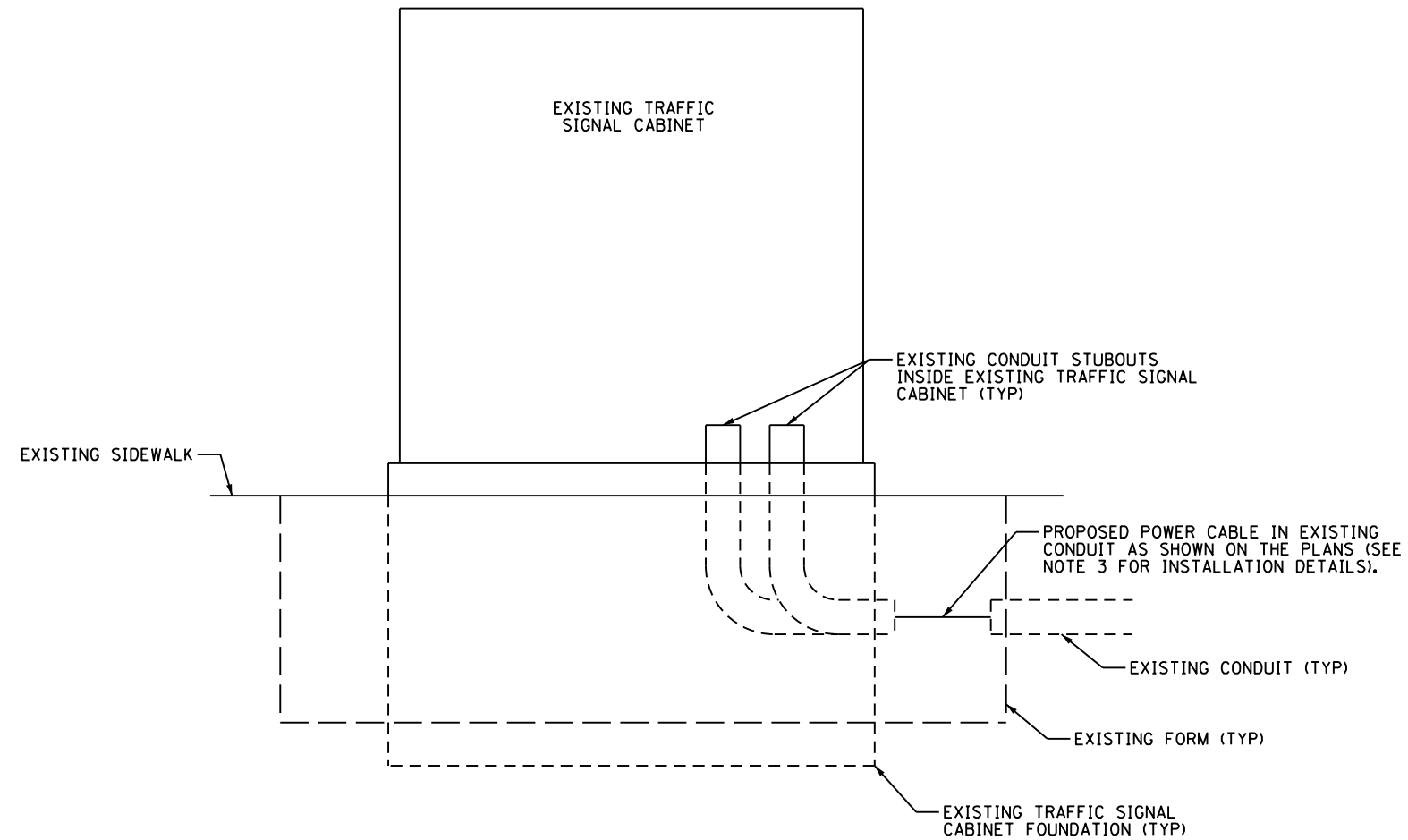


SECTION X-X

COMMUNICATION EQUIPMENT ENCLOSURE,
INDOOR DETAIL

NOT TO SCALE

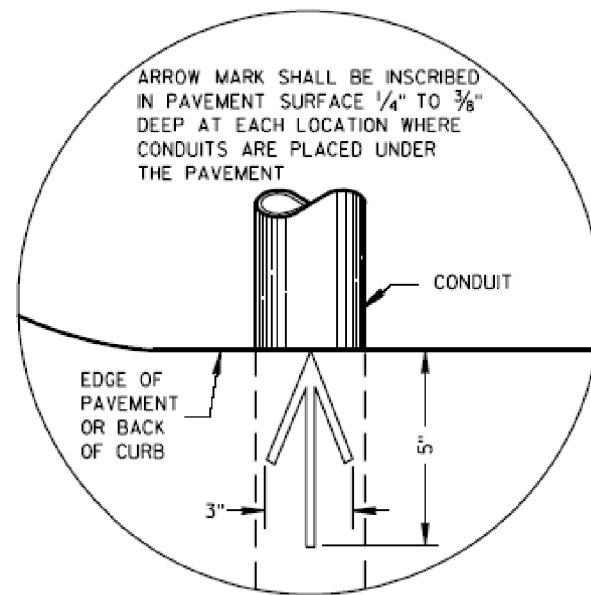
NOTES:
1) THE COMMUNICATION EQUIPMENT ENCLOSURE, INDOOR
SHALL BE INSTALLED AT THE PARKING FACILITIES AT
LOCATIONS INDICATED ON INDIVIDUAL SITE PLANS.



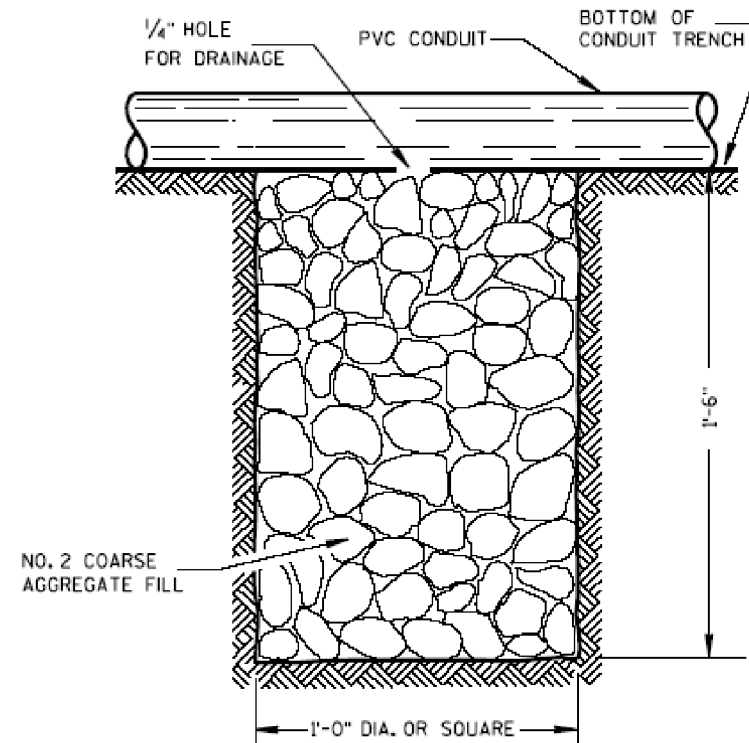
DETAIL A - TYPICAL CONDUIT BREAKOUT
NOT TO SCALE

NOTES:

- 1) CABLES/CONDUITS SHALL NOT ENTER TOPS OF ENCLOSURES, CABINETS, OR JUNCTION BOXES.
- 2) ALL CABLE TO BE INSTALLED INSIDE CONDUIT UNLESS OTHERWISE NOTED.
- 3) EXISTING CONDUIT MAY NOT EXTEND TO TRAFFIC CABINET FOUNDATION AND MAY TERMINATE UNDERGROUND IN FORM AROUND EXISTING FOUNDATION. CONTRACTOR TO USE NON-DESTRUCTIVE WATER AND VACUUM EXCAVATING TO REMOVE EXISTING FORM AND GAIN ACCESS TO EXISTING BURIED CONDUIT.



PLAN VIEW
ARROW MARK

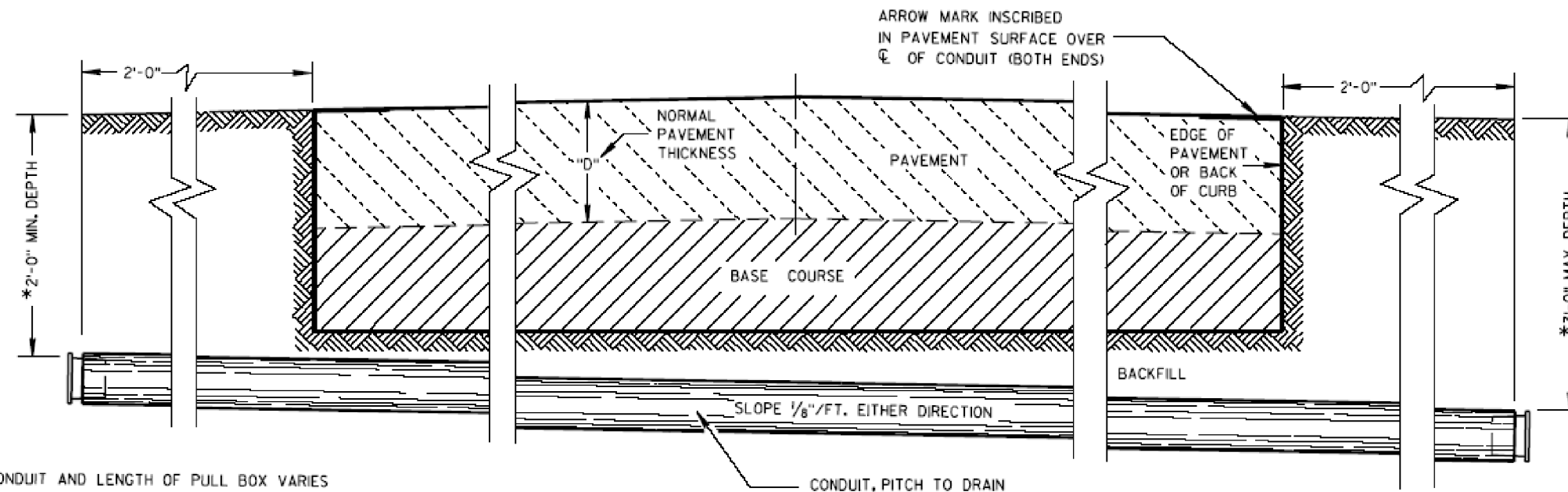


NOTE: INSTALL AT LOCATIONS WHERE PVC CONDUITS
CANNOT BE PITCHED TO DRAIN INTO A PULL BOX.

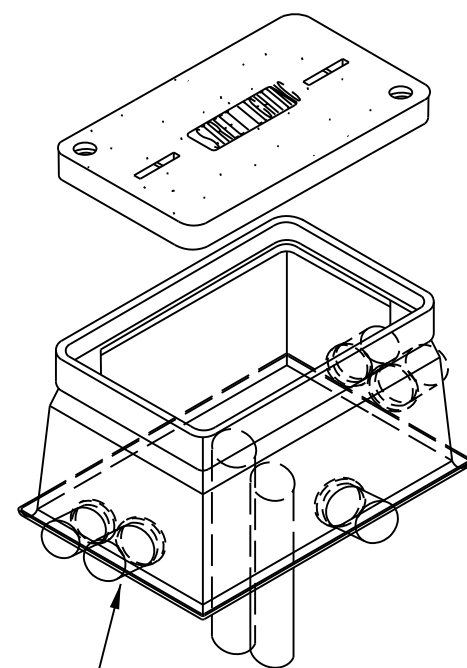
DRAIN SUMP FOR PVC CONDUIT

NOTES:

- 1) DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.
- 2) NON METALLIC CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.
- 3) DEPTH OF CONDUIT BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.
- 4) ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.
- 5) THE TRENCH SHALL NOT BE BACK FILLED PRIOR TO THE INSPECTION OF THE CONDUIT.
- 6) ALL NON METALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.
- 7) NON METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAINED CAPPED OR PLUGGED.
- 8) BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSON TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.
- 9) ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NON METALLIC CONDUIT ACCORDING TO NEC 347.5.
- 10) WHEN REQUIRED TO CONNECT NON METALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.
- 11) PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS, AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.
- 12) ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.
- 13) CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX OR FORM TO FORM OR PULL BOX TO FORM, ETC.)
- 14) POLY ROPE OR A PULL WIRE SHALL BE INSTALLED.
- 15) ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, FORM TO FORM, OR PULL BOX TO FORM AS SHOWN ON THE PLANS.



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES
WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

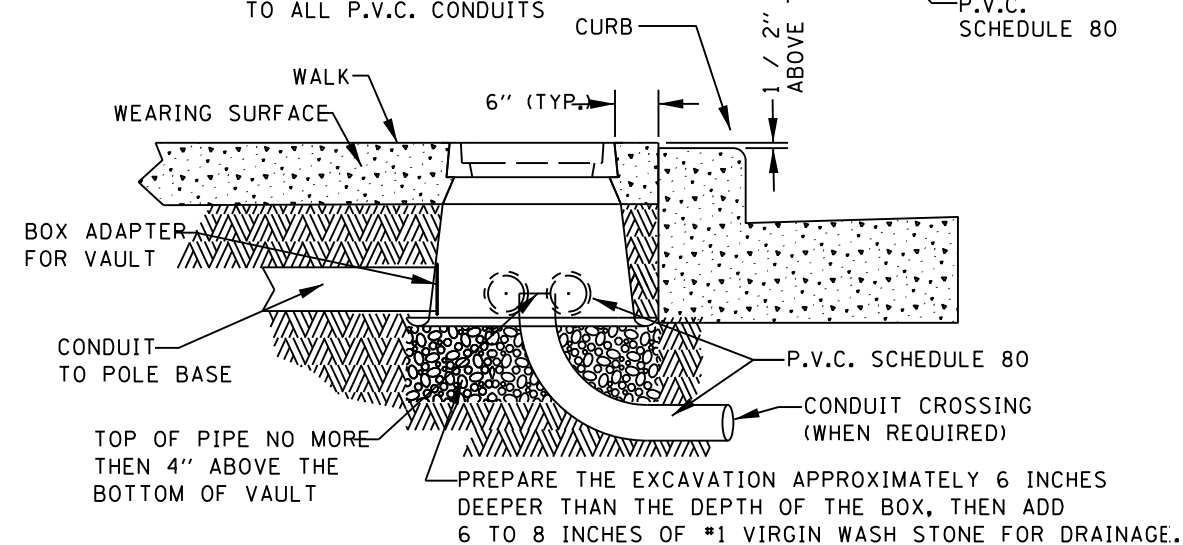
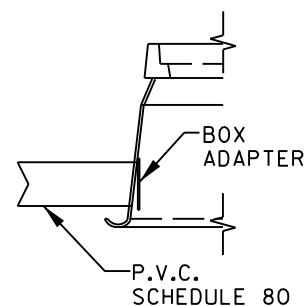


HEAVY DUTY COVER
W/ STREETLIGHTING LOGO
& W / 2 BOLTS
COLOR: GRAY

ELECTRICAL VAULT
FLARED WALL
BOX W / NO BASE
COLOR: GRAY
13" (W) x 24" (D) x 18" (H)

PLUG OR CAP FITTINGS ON ALL
UNUSED CONDUITS IN THE ENCLOSURE

BOX ADAPTERS, COUPLINGS
TO ALL P.V.C. CONDUITS



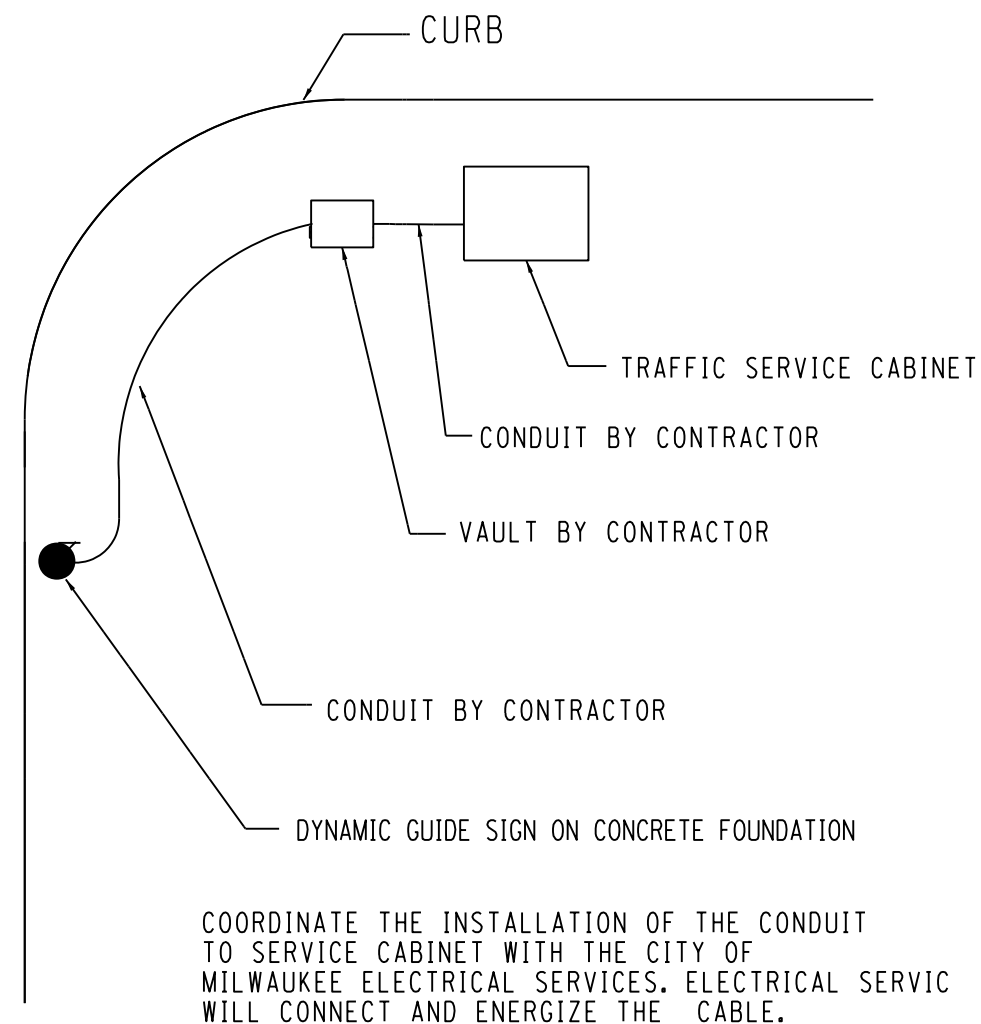
DETAIL TYPICAL VAULT INSTALLATION

ANY DEVIATIONS FROM DETAIL WILL REQUIRE PERMISSION FROM STREET LIGHTING FORCES.
CONTACT DISPATCHER AT (414) 286-5944 FOR THE APPROPRIATE SHOP SUPERVISOR.



DIGGERS HOTLINE
MILWAUKEE COUNTY
259-1181
TOLL FREE 1-800-242-8511

NOT TO SCALE



COORDINATE THE INSTALLATION OF THE CONDUIT
TO SERVICE CABINET WITH THE CITY OF
MILWAUKEE ELECTRICAL SERVICES. ELECTRICAL SERVICE
WILL CONNECT AND ENERGIZE THE CABLE.